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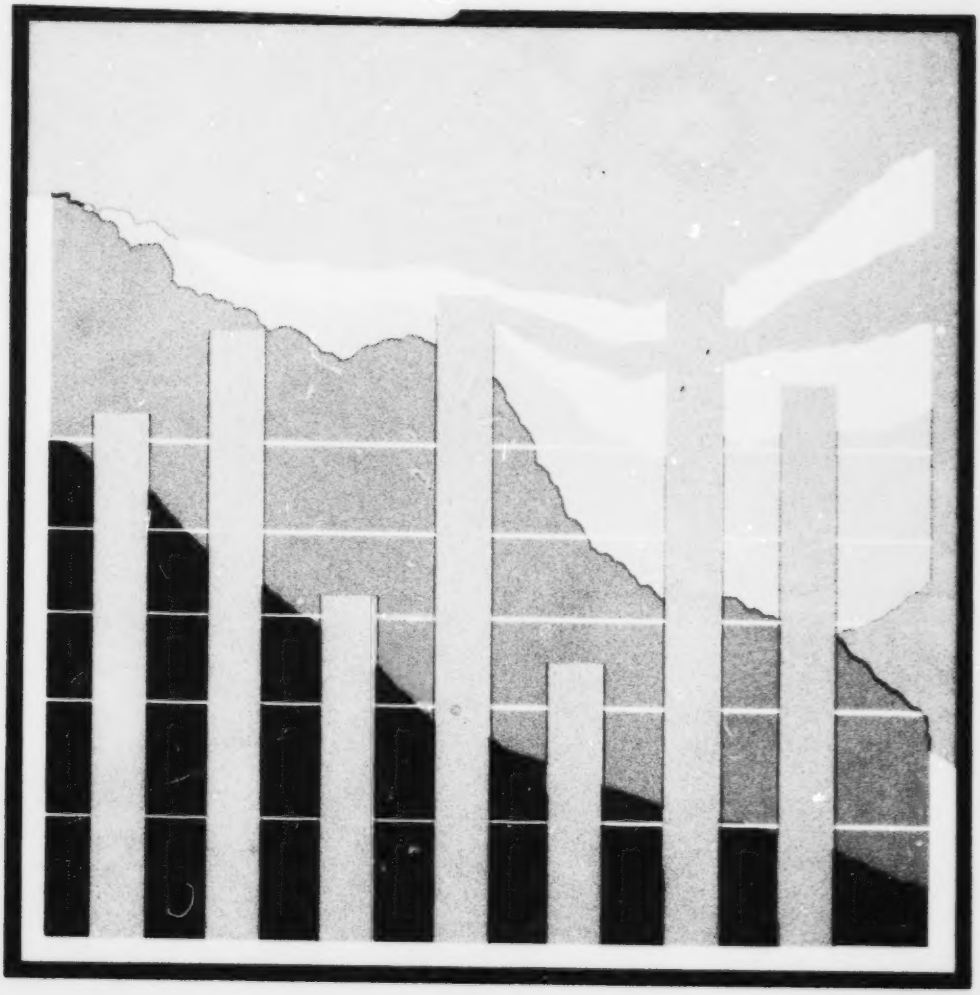

SELECTED FORESTRY STATISTICS
CANADA 1984

ECONOMICS BRANCH
CANADIAN FORESTRY SERVICE
GOVERNMENT OF CANADA

JANUARY 1985

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INTRODUCTION

The "Selected Forestry Statistics, Canada 1984" contains a series of tables on Canadian forest resources and related management activities, commodity production, shipments and trade, principal and employment statistics by industry sector, as well as selling price indexes, financial statistics and economic indicators. Some transportation, construction, and international data have been added to complete the picture.

Nearly 90 tables of forest economic data at the national and provincial levels are included in the report. Data have been extracted from approximately 50 different publications. To increase the precision and facilitate the retrieval of time series data, CANSIM (a computerized data bank of Statistics Canada) was used where possible. A number of figures have been included to help the reader to better visualize the information. Similarly a new glossary section which describes the main forestry and economic terms used is provided.

Economics Branch
Canadian Forestry Service

Office:

19th floor
Place Vincent Massey
351 St. Joseph Blvd.
Hull, Quebec
Canada
Telephone: (819) 997-1683
Contact: Statistical Services
Head, Suzanne Gallioux

Mailing Address:

Ottawa, Ontario
Canada
K1A 1G5

SUMMARY OF SELECTED FORESTRY STATISTICS, CANADA 1984

1.	**Land area - 1981**	**9.17 million km^2**
	Inventoried forest land	3.42
	Inventoried productive forest land	2.20
	Agricultural land	0.66
2.	**Ownership of inventoried forest land - 1981**	**3.42 million km^2**
	Provincial Crown	67%
	Federal Crown	27%
	Private	6%
3.	**Ownership of inventoried productive forest land - 1981**	**2.20 million km^2**
	Provincial Crown	80%
	Federal Crown	12%
	Private	8%
4.	**Roundwood production - 1982**	**127 million m^3**
	Atlantic provinces	9%
	Quebec	23%
	Ontario	16%
	Prairie provinces	8%
	British Columbia	44%
	Species mix	
	Softwoods	91%
	Hardwoods	9%
5.	**Lumber production - 1982**	**37 million m^3**
	Atlantic provinces	3%
	Quebec	17%
	Ontario	10%
	Prairie provinces	7%
	British Columbia	63%
	Species mix	
	Softwoods	97%
	Hardwoods	3%
6.	**Wood pulp production - 1982**	**19 million t**
	Atlantic provinces	14%
	Quebec	34%
	Ontario	20%
	Prairie provinces	5%
	British Columbia	27%
7.	**Basic paper and paperboard production - 1982**	**12 million t**
	Quebec	46%
	Ontario	25%
	British Columbia	15%
	All other provinces	14%

SUMMARY OF SELECTED FORESTRY STATISTICS, CANADA 1984 (cont'd)

8. Shipments, 1982	
Roundwood	86 million m^3
Lumber	35 million m^3
Wood pulp	7 million t
Basic paper and paperboard	12 million t

	1982	1983
9. Exports of forest products	**$ 12 133**	**$ 13 328 million**
Softwood lumber	2 847	3 900
Wood pulp	3 221	3 058
Newsprint	4 086	4 005
All other	1 979	2 365

	1982	1983
10. Exports of forest products by region of lading	**$ 12 133**	**$ 13 328 million**
Atlantic provinces	11%	9%
Quebec	27	25
Ontario	20	21
Prairie provinces	4	4
British Columbia	38	41

	1982	1983
11. Balance of trade, net flow	**$+16 674**	**$+15 377 million**
Forest products	+10 886	+11 687
Farm products, food and beverages	+ 5 339	+ 5 476
Coal, petroleum, natural gas, and electricity	+ 3 869	+ 5 759
Metal ores and concentrates and scrap	+ 1 701	+ 1 256
Iron, steel, and nonferrous metals	+ 4 026	+ 3 904
Chemicals and fertilizers	+ 553	+ 37
Machinery	- 3 102	- 2 754
Transportation and automotive	+ 2 240	+ 1 385
Other products	- 8 838	-11 373

	1981	1982
12. Employment in forest industries	**292**	**260 thousand**
Logging	48	40
Wood industries	113	97
Paper and allied industries	131	123

	1981	1982
13. Value of shipments of goods	**$ 28 601**	**$ 25 955 million**
Logging	4 430	3 998
Wood industries	8 442	7 173
Paper and allied industries	15 729	14 784

SUMMARY OF SELECTED FORESTRY STATISTICS, CANADA 1984 (concluded)

	1981	1982
14. Value added, total activity	**$ 12 295**	**$ 10 438 million**
Logging	1 883	1 650
Wood industries	3 447	2 708
Paper and allied industries	6 965	6 080

	1981	1982
15. Corporate income taxes paid by the forest industries	**$ 403**	**$ 179 million**
Federal income taxes	259	120
Provincial income taxes	144	59

	1982	1984 (forecast)
16. Capital and repair expenditures	**$ 3 766**	**$ 3 313 million**
Logging	403	546
Wood industries	586	639
Paper and allied industries	2 777	2 128

17. Forest industries contribution to Canadian gross domestic products - 1982	**2.9%**
Atlantic provinces	x
Quebec	3.8%
Ontario	2.1%
Prairie provinces	x
British Columbia	7.3%

	1982	1983
18. Revenue freight loaded on railways	**200**	**207 million t**
Forest products share	14%	16%

		Percent Rank
19. Canada's share in world forest economy - 1982		
Softwood growing stock	14%	3rd
Industrial roundwood production of softwood species	14%	3rd
Softwood lumber output	12%	3rd
Wood pulp production	14%	2nd
Newsprint production	31%	1st
Value of exports of forest products	20%	1st

TABLE OF CONTENTS

PAGE

SECTION I. CANADIAN FOREST RESOURCES AND RELATED MANAGEMENT ACTIVITIES

1. Area Classification Canada, 1981 3

2. Inventoried Forest Land by Ownership and Class, 1981 4
   Figure 1. Comparison of Inventoried Forest Land with Agricultural Land and Parks. 5

3. Gross Merchantable Volume of Wood on Inventoried, Stocked, Productive, Nonreserved Forest Land, 1981 6
   Figure 2. Productive Forest Land Ownership in Canada, 1981. 7
   Figure 3. Gross Merchantable Volume of Wood on Inventoried, Stocked, Productive, Nonreserved Forest Land by Age Class and Region, 1981. 7

4. Area of Farm Woodlots, 1951-1981 8

5. Farm Woodlots, Canada, 1981 9

6. Silviculture Statistics by Province, 1980-1982 10

7. Forest Fire Statistics by Province, 1980-1983 12

8. Statistics on Forest Insect and Disease Conditions - Estimated Average Annual Depletion Caused by Important Pests, 1977-1981 15

9. Statistics on Planting Stock for Reforestation Purposes by Ownership and by Province, 1982-1984 16

10. Public and Industry Expenditures on Forest Management Activities for 1977, 1979, and 1981 17

11. Public and Industry Expenditures on Forest Management by Ownership, by Activity, and by Province for 1977, 1979, and 1981 18

SECTION II. COMMODITY PRODUCTION AND SHIPMENTS

1. Roundwood Production by Species Group, 1950-1983 22
   Figure 4. Roundwood Production in Canada, 1950-1982. 23
   Figure 5. Roundwood Production by Region, 1982. 23

2. Roundwood Production by Province, Category and Species Group, 1970-1982 24

TABLE OF CONTENTS

	PAGE
3. Lumber Production by Province and Species Group, 1950-1982	29
Figure 6. Lumber Production in Canada, 1950-1982.	31
Figure 7. Lumber Production by Region, 1982.	31
4. Pulpwood Production for Domestic Use and Wood Residue Receipts, 1970-1983	32
5. Wood Pulp Production by Kind, 1950-1983	33
6. Wood Pulp Production by Region, 1950-1983	34
Figure 8. Wood Pulp Production in Canada, 1950-1982.	35
Figure 9. Wood Pulp Production by Region, 1982.	35
7. Basic Paper and Paperboard Products by Category and Region, 1950-1983	36
Figure 10. Basic Paper and Paperboard Production in Canada, 1950-1982.	37
Figure 11. Basic Paper and Paperboard Production by Region, 1982.	37
8. Basic Paper and Paperboard Production by Kind, 1950-1983	38
9. Industrial Roundwood Production and Forest Industry Value Added, 1970-1982	39
10. Industrial Roundwood Production and Forest Industry Value Added by Province, 1982	40
11. Shipments of Roundwood by Province, 1970-1982	41
12. Shipments of Softwood Lumber by Species, 1970-1982	42
13. Shipments by Hardwood Lumber, 1970-1982	43
14. Shipments of Wood Pulp, Paper, and Paperboard, 1960-1982	44
15. Shipments of Selected Wood-Based Panel Products, 1950-1983	45

SECTION III. COMMODITY TRADE

1. Canadian Exports by Commodity Group, 1970-1983	48
Figure 12. Forest Products Share of Canadian Exports, 1970-1983.	49
Figure 13. Contribution to Net Trade Balance by Commodity Group, 1983.	49
2. Exports of Canadian Forest Products by Principal Trade Areas and by Region of Lading, 1983	50
Figure 14. Exports of Canadian Forest Products by Commodity Groups and Principal Trade Areas, 1983.	51
Figure 15. Exports of Canadian Forest Products by Principal Trade Areas and Region of Lading, 1983.	51

TABLE OF CONTENTS

	PAGE
3. Value of Exports of by Province or Region of Lading, 1970-1983	52
4. Volume of Exports of Forest Products by Province or Region of Lading, 1983	53
A. Primary Wood Products	53
B. Wood Fabricated Materials	53
C. Wood Pulp and Paper Products	53
5. Value of Exports of Forest Products by Province or Region of Lading, 1983	54
A. Primary Wood Products	54
B. Wood Fabricated Materials	54
C. Wood Pulp and Paper Products	55
6. Balance of Trade by Major Commodity Groups, 1983	56
Figure 16. Balance of Trade of Canadian Forest Products, 1970-1983.	57
Figure 17. Exports by Region of Lading and Imports by Major Forest Products, 1983.	57
7. Balance of Trade of Forest Products by Commodity Group (Net Flow), 1970-1983	58
8. Exports and Imports of Forest Products by Commodity Groups, 1970-1983	59

SECTION IV. PRINCIPAL STATISTICS

1. Forest Industries by Sector, 1981	62
Figure 18. Standard Industrial Classification of Forest Industries, 1970.	63
2. Wood Industries, 1982	64
3. Paper and Allied Industries, 1982	65
4. Forest Industries Summary, 1965-1982	66
Figure 19. Value of Shipments of Goods of Own Manufacture in the Forest Industries by Sector, 1970-1982.	67
Figure 20. Total Value Added in the Forest Industries by Sector, 1970-1982.	67
5. Logging Principal Statistics by Province, 1982	68
6. Wood Industries by Province, 1982	69
7. Paper and Allied Industries by Province, 1982	70

TABLE OF CONTENTS

		PAGE
8.	Major Wood Industries - Selected Provinces, 1982	71
	A. Sawmills, planing mills and shingle mills (S.I.C. 251)	71
	B. Shingle mills (S.I.C. 2511)	71
	C. Sawmills and planing mills (S.I.C. 2513)	72
	D. Veneer and plywood mills (S.I.C. 252)	72
	E. Sash, door, and other millwork (S.I.C. 254)	73
	F. Wooden box factories (S.I.C. 256)	73
	G. Coffin and casket manufacturers (S.I.C. 258)	74
	H. Other wood industries (S.I.C. 259)	74
9.	Major Paper and Allied Industries - Selected Provinces, 1982	75
	A. Pulp and paper mills (S.I.C. 271)	75
	B. Asphalt roofing manufacturers (S.I.C. 272)	75
	C. Paper box and bag manufacturers (S.I.C. 273)	76
	D. Miscellaneous paper converters (S.I.C. 274)	76
10.	Logging Principal Statistics by Year, 1960-1982	77
11.	Wood Industries by Year, 1960-1982	78
12.	Paper and Allied Industries by Year, 1960-1982	79
13.	Sawmills, Planing and Shingle Mills (S.I.C. 251) by Year, 1965-1982	80
14.	Shingle Mills (S.I.C. 2511) by Year, 1965-1982	81
15.	Sawmills and Planing Mills (S.I.C. 2513) by Year, 1960-1982	82
16.	Veneer and Plywood Mills (S.I.C. 252) by Year, 1960-1982	83
17.	Sash, Door and Other Millwork (S.I.C. 254) by Year, 1960-1982	84
18.	Wooden Box Factories (S.I.C. 256) by Year, 1965-1982	85
19.	Coffin and Casket Industry (S.I.C. 258) by Year, 1965-1982	86
20.	Miscellaneous Wood Industries (S.I.C. 259) by Year, 1965-1982	87
21.	Wood Preservation Industries (S.I.C. 2591) by Year, 1965-1982	88
22.	Manufacturers of Particleboard (S.I.C. 2593) by Year, 1965-1982	89
23.	Pulp and Paper Mills (S.I.C. 271) by Year, 1960-1982	90
24.	Asphalt Roofing Manufacturers (S.I.C. 272) by Year, 1965-1982	91
25.	Paper Box and Bag Manufacturers (S.I.C. 273) by Year, 1965-1982	92

TABLE OF CONTENTS

PAGE

26. Miscellaneous Paper Converters (S.I.C. 274) by Year, 1965-1982 93

27. Manufacturing Industries, 1982 94

SECTION V. EMPLOYMENT

1. Employment by Industry Sector, 1970-1983 96

2. Employment in the Forest Industries by Sector, 1961-1982 97
   Figure 21. Employment in the Forest Industries by Sector, 1970-1982. 98
   Figure 22. Employment in the Forest Industries by Sector and by Region, 1982. 98

3. Employment by Forest Industry Sector and by Province, 1970-1982 99
   A. Logging 99
   B. Wood Industries 99
   C. Paper and Allied Industries 100
   D. Forest Industries 100

SECTION VI. SELLING PRICE INDEXES

1. Selected Forest Industry Selling Price Indexes, 1956-1983 102

2. Selling Price Indexes - Selected Wood Products, 1956-1983 103

3. Selling Price Indexes - Selected Pulp and Paper Products, 1956-1983 104

SECTION VII. FINANCIAL STATISTICS AND ECONOMIC INDICATORS

1. Corporate Profits and Profitability - Forest Industries, 1970-1981 106
   Figure 23. Profitability of Corporations in the Forest Industries by Sector, 1970-1981. 107
   Figure 24. Capital and Repair Expenditures in the Forest Industries by Sector, 1970-1984. 107

2. Taxation - Forest Industries, 1980-1982 108
   A. Provincial Allocation of Taxable Income 108
   B. Corporate Income Taxes Paid by Forest Industries 108

3. Capital and Repair Expenditures - Logging Industry, 1960-1984 109

TABLE OF CONTENTS

	PAGE
4. Capital and Repair Expenditures - Wood Industries, 1960-1984	110
5. Capital and Repair Expenditures - Paper and Allied Industries, 1950-1984	111
6. General Economic Indicators by Quarter, 1983-1984	112
7. General Economic Indicators, 1950-1983	113
8. Forest Industries Contribution to Canadian Gross Domestic Product (G.D.P.), 1970-1982	114
9. Forest Industries Contribution to Canadian Gross Domestic Product (G.D.P.) by Province, 1982	115
SECTION VIII. RELATED DATA	
1. Revenue Freight Loaded on Railways, 1981-1983	118
2. Dwelling Units Started by Province, 1950-1983	119
3. Value of Building Construction in Canada, 1961-1984	120
SECTION IX. WORLD FORESTRY	
1. World Forest Resources - Forest Areas and Growing Stock by Region and Species Group	122
2. World Production of Roundwood, 1982	123
3. World Industrial Roundwood Production by Species Group, 1982	124
4. World Output of Lumber, 1982	125
5. World Output of Panel Products, 1982	126
6. World Output of Pulp, 1982	127
7. World Output of Paper and Paperboard, 1982	128
8. World Exports of Forest Products, 1982	129
9. World Imports of Forest Products, 1982	130
10. World Apparent Consumption of Forest Products, 1982	131

TABLE OF CONTENTS

PAGE

SECTION X. DEFINITIONS OF TERMS 134

KEY TO SYMBOLS

The standard symbols used by Statistics Canada have been adopted for use in this manual. They are as follows:

...	figures not appropriate or not applicable
..	figure not available
-	nil or zero
--	amount too small to be expressed
p	preliminary figures
x	confidential to meet secrecy requirements under the Statistics Act
e	estimated

CONVERSION FACTORS (SI TO ENGLISH UNITS)

1 ha (100 km^2)	=	2.471 05 acres
1 km^2	=	0.386 102 square mile
1 m^2	=	10.763 9 square feet
1 m^3	=	35.314 7 cubic feet
	=	0.353 147 cunit (of 100 cubic feet of solid wood)
1 t	=	1.102 31 tons (of 2 000 pounds)

NOTE: Figures may not add due to rounding.

All measurements presented in these tables are in metric units.

SECTION I

CANADIAN FOREST RESOURCES AND RELATED MANAGEMENT ACTIVITIES

1 - 1. AREA CLASSIFICATION CANADA, 1981

Area class	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Y.T.	N.W.T.	Canada
							1 000 km^2								
Forest land inventoried															
Productive	85	3	29	62	179	533	377	140	89	216	445	458	67	143	2 202
Unproductive	57	-	12	3	72	91	55	100	34	115	249	108	175	472	1 223
Sub-total	**142**	**3**	**41**	**65**	**251**	**624**	**432**	**240**	**123**	**331**	**694**	**566**	**242**	**615**	**3 425**
Forest land not inventoried															
Productive	-	-	-	-	-	316	49	-	-	18	18	57	-	-	440
Unproductive	-	-	-	-	-	-	326	109	55	-	164	10	-	-	500
Sub-total	**-**	**-**	**-**	**-**	**-**	**316**	**375**	**109**	**55**	**18**	**182**	**67**	**-**	**-**	**940**
Total forest land	**142**	**3**	**41**	**65**	**251**	**940**	**807**	**349**	**178**	**349**	**876**	**633**	**242**	**615**	**4 364**
Nonforest land															
Agricultural	-	3	5	4	12	38	60	76	260	191	527	22	-	-	659
Other	229	-	7	3	239	379	24	123	132	104	359	276	236	2 631	4 144
Sub-total	**229**	**3**	**12**	**7**	**251**	**417**	**84**	**199**	**392**	**295**	**886**	**298**	**236**	**2 631**	**4 803**
Total land	**371**	**6**	**53**	**72**	**502**	**1 357**	**891**	**548**	**570**	**644**	**1 762**	**931**	**478**	**3 246**	**9 167**
Water	34	-	3	2	39	184	177	102	82	17	201	18	4	133	755
Total area	**405**	**6**	**55**	**73**	**539**	**1 541**	**1 069**	**650**	**652**	**661**	**1 963**	**949**	**482**	**3 380**	**9 922**

Source: Bonnor, G.M. Canada's Forest Inventory 1981. Forestry Statistics and Systems Branch, Canadian Forestry Service, Environment Canada.

1 - 2. INVENTORIED FOREST LAND BY OWNERSHIP AND CLASS, 1981

Area class	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Y.T.	N.W.T.	Canada
							1 000 km^2								
Stocked, productive, nonreserved forest land															
Provincial	75	-	6	28	109	430	293	113	72	133	318	397	-	-	1 549
Federal	-	-	-	1	1	1	3	1	2	-	3	2	49	137	197
Private	4	-	22	30	56	57	34	4	-	-	4	14	-	-	164
Municipal/ Undetermined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	**79**	**-**	**28**	**59**	**166**	**489**	**331**	**118**	**74**	**133**	**325**	**413**	**49**	**137**	**1 910**
Productive forest land															
Provincial	79	-	6	29	114	469	331	132	84	199	415	437	-	-	1 767
Federal	1	-	-	2	3	2	6	3	5	17	25	5	67	143	252
Private	4	-	22	31	57	63	39	4	-	-	4	16	-	-	180
Municipal/ Undetermined	-	3	-	-	3	-	-	-	-	-	-	-	-	-	3
Total	**85**	**3**	**29**	**62**	**179**	**533**	**377**	**140**	**89**	**216**	**444**	**458**	**67**	**143**	**2 202**
Total inventoried forest land															
Provincial	135	-	11	31	177	556	381	231	118	297	646	543	-	-	2 303
Federal	2	-	1	2	5	2	7	4	5	34	43	6	242	615	919
Private	6	-	29	32	67	66	43	5	-	-	5	17	-	-	199
Municipal/ Undetermined	--	3	-	-	3	-	--	--	-	--	-	--	-	-	4
Total	**142**	**3**	**41**	**65**	**251**	**624**	**432**	**240**	**123**	**331**	**694**	**566**	**242**	**615**	**3 425**

Source: Bonnor, G.M. Canada's Forest Inventory 1981. Forestry Statistics and Systems Branch, Canadian Forestry Service, Environment Canada.

AREA CLASSIFICATION - CANADA

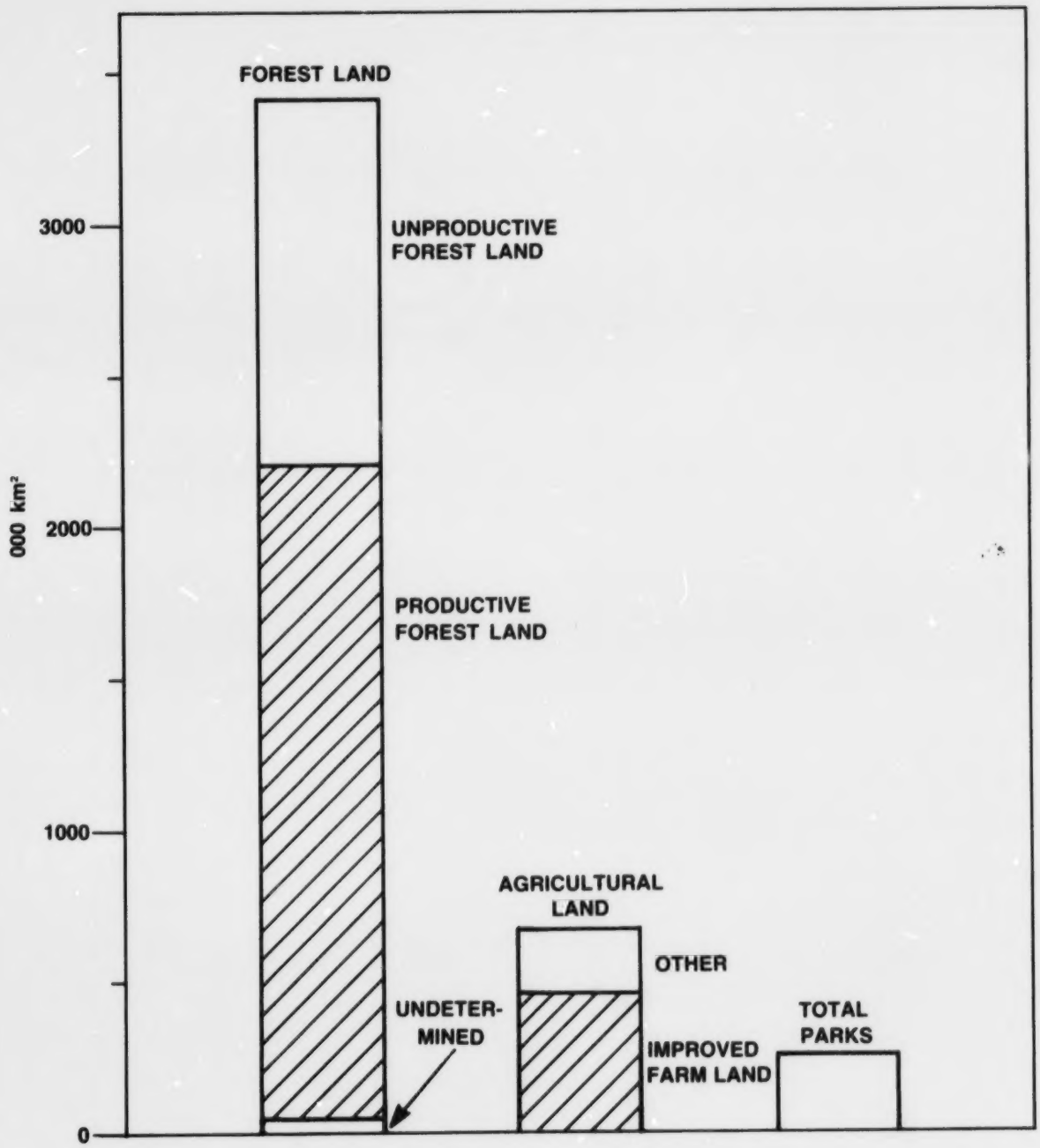

FIGURE 1 COMPARISON OF INVENTORIED FOREST LAND WITH AGRICULTURAL LAND AND PARKS.

SOURCE: CANADA'S FOREST INVENTORY 1981, CENSUS OF AGRICULTURE 1981 AND PROVINCIAL ANNUAL REPORTS.

1 - 3. GROSS MERCHANTABLE VOLUME OF WOOD ON INVENTORIED, STOCKED, PRODUCTIVE, NONRESERVED FOREST LAND, 1981

Area class	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Y.T.	N.W.T.	Canada
							1 000 000 m^3								
By age class															
Regeneration	-	-	1	-	1	160	17	-	-	1	1	1	-	-	180
Immature	-	-	12	154	166	1 149	2 151	371	-	979	1 350	1 569	209	144	6 738
Mature	69	-	139	353	561	2 824	467	239	-	326	565	6 272	40	301	11 030
Overmature	42	-	28	8	78	-	563	25	-	110	135	-	-	1	777
Unevenly aged	-	-	22	1	23	-	-	-	-	-	-	-	-	-	23
Undetermined	352	33	-	-	385	-	-	-	484	22	506	-	5	-	896
Total	**463**	**33**	**202**	**516**	**1 214**	**4 133**	**3 198**	**635**	**484**	**1 438**	**2 557**	**7 842**	**254**	**446**	**19 644**
By species															
Softwoods															
Spruce	47	12	76	154	289	1 781	1 292	258	174	395	827	1 927	-	-	6 116
Pine	-	--	13	20	33	226	553	161	110	344	615	1 614	-	-	3 041
Fir	47	8	38	118	211	977	157	10	5	33	48	1 322	-	-	2 715
Hemlock	-	--	8	6	14	25	12	-	-	-	-	1 173	-	-	1 224
Cedar	-	1	-	37	38	70	49	1	-	-	1	626	-	-	784
Douglas-fir	-	-	-	-	-	-	-	-	-	9	9	605	-	-	614
Unspecified	335	1	2	3	341	10	12	9	4	--	13	171	214	315	1 076
Total	**429**	**22**	**137**	**338**	**926**	**3 089**	**2 075**	**439**	**293**	**781**	**1 513**	**7 438**	**214**	**315**	**15 570**
Hardwoods															
Aspen/Poplar	2	2	6	33	43	255	609	172	175	657	1 004	337	-	-	2 248
Birch	14	3	-	46	63	483	337	19	14	-	33	41	-	-	957
Maple	--	5	37	76	118	236	139	-	1	-	1	5	-	-	499
Unspecified	18	1	22	23	64	70	38	5	1	-	6	21	40	131	370
Total	**34**	**11**	**65**	**178**	**288**	**1 044**	**1 123**	**196**	**191**	**657**	**1 044**	**404**	**40**	**131**	**4 074**
Total all species	**463**	**33**	**202**	**516**	**1 214**	**4 133**	**3 198**	**635**	**484**	**1 438**	**2 557**	**7 842**	**254**	**446**	**19 644**

Source: Bonnor, G.M. Canada's Forest Inventory 1981. Forestry Statistics and Systems Branch, Canadian Forestry Service, Environment Canada.

PRODUCTIVE FOREST LAND

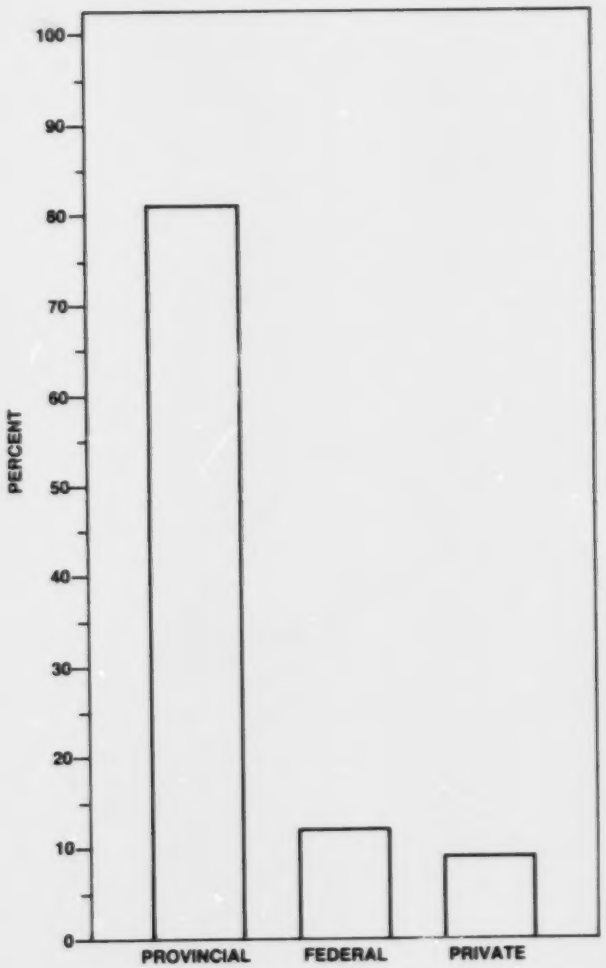

FIGURE 2 PRODUCTIVE FOREST LAND OWNERSHIP IN CANADA, 1981

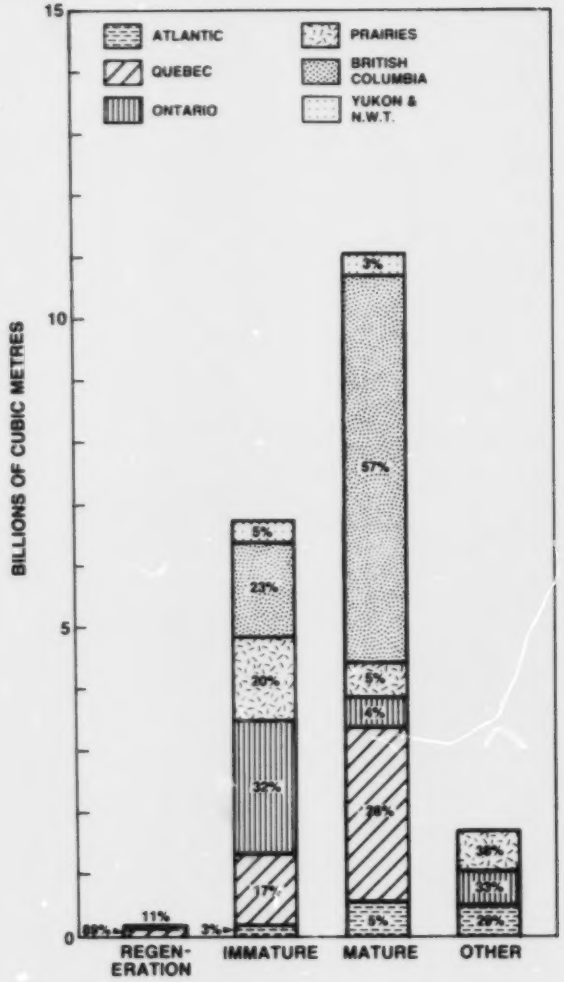

FIGURE 3: GROSS MERCHANTABLE VOLUME OF WOOD ON INVENTORIED, STOCKED, PRODUCTIVE, NON-RESERVED FOREST LAND BY AGE CLASS AND REGION, 1981

SOURCE : CANADA'S FOREST INVENTORY 1981

I - 4. AREA OF FARM WOODLOTS, 1951-1981

Province	1951	1961	1971	1976	1981
			1 000 ha		
Newfoundland	15	8	5	8	6
Prince Edward Island	140	120	85	75	65
Nova Scotia	747	552	300	262	241
New Brunswick	827	498	276	227	201
Atlantic provinces	1 729	1 178	666	572	513
Quebec	2 377	1 822	1 254	1 160	1 069
Ontario	1 559	1 318	931	833	742
Manitoba	734	603	389	376	248
Saskatchewan	1 192	888	404	415	282
Alberta	1 160	866	674	709	493
Prairie provinces	3 086	2 357	1 467	1 500	1 023
British Columbia	468	305	342	302	204
Total	**9 219**	**6 980**	**4 660**	**4 367**	**3 551**
Total area of farms	**70 434**	**69 829**	**68 662**	**68 427**	**65 889**

Note: A 1981 "Census Farm" is defined as a farm, ranch, or other agricultural holding with sales of agricultural products during the past 12 months of $250 or more.

Source: Statistics Canada. Census of Agriculture, 1981, Cat. No. 96-901.

I - 5. FARM WOODLOTS, CANADA, 1981

Province	Area of woodlots (ha)	Forest products sales*	
		No. of farms reporting	Value of sales $000
Newfoundland	5 755	40	92
Prince Edward Island	65 436	253	363
Nova Scotia	240 842	1 382	4 726
New Brunswick	200 532	1 093	4 332
Atlantic provinces	512 565	2 768	9 513
Quebec	1 069 500	10 445	23 975
Ontario	742 291	4 326	11 957
Manitoba	248 184	278	1 080
Saskatchewan	281 653	246	993
Alberta	492 672	540	2 542
Prairie provinces	1 022 509	1 064	4 615
British Columbia	204 029	1 255	14 928
Total	**3 550 894**	**19 858**	**64 988**

* Includes sales of Christmas trees, fuelwood, logs, and income from stumpage leases where an agreed amount is paid for cutting timber or pulpwood from the land. It excludes the sale of maple products.

Source: Statistics Canada. Census of Agriculture, 1981, Cat. No. 96-901.

I - 6. SILVICULTURE STATISTICS BY PROVINCE, 1980-1982*

Province or territory	Area harvested	Area of site preparation	Area planted**	Area directly seeded	Area of stand tending	Area of pest control
			(hectares)			
Newfoundland						
1980	15 175	379	360	36	33	-
1981	13 454	1 317	1 853	54	2 615	-
1982	8 000	1 856	802	230	3 901	-
Prince Edward Island						
1980	2 500e	566	423	-	49	-
1981	2 700e	289	490	-	353	-
1982	2 700e	511	475	-	1 112	-
Nova Scotia						
1980	36 439	8 010	3 740	-	7 451	25 670
1981	36 429	8 845	5 085	-	9 264	31 195
1982	35 710	7 410	4 230	55	5 923	19 653
New Brunswick						
1980	85 900	24 926	22 038	-	18 924	1 900 000
1981	65 500	27 384	22 121	172	17 618	1 693 000
1982	72 445	18 601	22 458	9	18 263	1 867 500
Atlantic provinces						
1980	140 014	33 881	26 561	36	26 457	1 925 670
1981	118 083	37 835	29 549	226	29 850	1 724 195
1982	118 855	28 378	27 965	294	26 367	1 887 153
Quebec						
1980	245 000	13 903	13 841	9 949	10 829	188 511
1981	250 000	16 152	15 875	9 525	12 686	705 164
1982	195 000	14 800	17 077	14 506	6 446	1 298 495
Ontario						
1980	242 679	56 620	32 080	47 294	51 036	36 422
1981	227 603	57 157	38 107	27 869	41 444	11 733
1982	222 921	70 984	37 842	29 991	54 506	3 327

I - 6. SILVICULTURE STATISTICS BY PROVINCE, 1980-1982*

Province or territory	Area harvested	Area of site preparation	Area planted**	Area directly seeded	Area of stand tending	Area of pest control
			(hectares)			
Manitoba						
1980	24 600	4 055	762	1 093	263	-
1981	18 900	4 161	4 134	272	-	-
1982	20 400	3 627	2 203	118	-	-
Saskatchewan						
1980	20 746	7 056	4 109	-	367	-
1981	19 690	7 125	6 865	-	369	-
1982	19 700e	12 966	6 270	-	68	-
Alberta						
1980	29 762	15 856	11 556	6 635	350	-
1981	32 302	18 905	12 989	4 701	967	-
1982	37 120	26 566	18 107	5 400	1 397	-
Prairies						
1980	75 108	26 967	16 427	7 728	980	-
1981	70 892	30 191	23 988	4 973	1 336	-
1982	77 220	43 159	26 580	5 518	1 465	-
British Columbia						
1980	187 834	65 194	63 675	-	30 877	1 564
1981	147 889	54 893	66 605	-	37 677	3 830
1982	162 172	62 631	82 795	-	26 031	-
Yukon and Northwest Territories						
1980	800	-	-	-	..	..
1981	948	-	-	-	..	..
1982	470	-	-	-	..	..
Total						
1980	891 435	196 565	152 584	65 007	120 179	2 152 167
1981	815 415	196 228	174 124	42 593	122 993	2 444 922
1982	776 638	219 952	192 259	50 309	117 647	3 188 975

* 1980 for 1980-1981, 1981 for 1981-1982, and 1982 for 1982-1983.
** Container and bareroot stock.

Source: Kuhnke, D. An update of national silviculture statistics. Canadian Forestry Service. Preliminary version 1977-1983.

1 - 7. FOREST FIRE STATISTICS BY PROVINCE, 1980-1983*

Province or territory	No. of fires	Area burned	Value lost	Fire control expenditure	
				Budgeted costs	Fire fighting costs
			$000		
Newfoundland					
1980	60	954	120	3 250	420
1981	131	13 087	698	2 400	665
1982	163	4 392	60	3 300	130
1983	138	16 792	24	3 428	50
Prince Edward Island					
1980	16	67	..	..	..
1981	40	146	6	9	13
1982	53	131	10	25	..
1983	55	321	15	24	..
Nova Scotia					
1980	439	953	..	1 924	300
1981	449	370	..	1 226	120
1982	491	617	..	585	186
1983	332	449	..	624	159
New Brunswick					
1980	389	2 815	887	339	770
1981	275	389	342	425	263
1982	487	6 537	3 677	486	3 010
1983	456	1 852	2 093	1 072	2 229
Atlantic provinces					
1980	904	4 789	1 007	5 513	1 490
1981	895	13 992	1 046	4 060	1 061
1982	1 196	11 677	3 747	4 396	3 326
1983	981	19 414	2 132	5 148	2 438
Quebec					
1980	947	31 573	847**	19 170	1 869
1981	1 114	2 480	343	20 775	2 369
1982	1 202	7 970	886	19 800	3 249
1983	1 653	238 903	26 430	23 200	11 803

1 - 7. FOREST FIRE STATISTICS BY PROVINCE, 1980-1983* (CONTINUED)

Province or territory	No. of fires	Area burned	Value lost	Fire control expenditure	
				Budgeted costs	Fire fighting costs
				$000	
Ontario					
1980	1 779	560 325	72 094	20 708	56 183
1981	1 656	179 473	9 171	26 800	2 700
1982	1 396	3 892	117	24 800	16 999
1983	2 244	443 655	15 583	24 500	20 000
Manitoba					
1980	1 082	514 292	109 431	3 031	7 155
1981	712	396 454	60 789	1 000	7 353
1982	425	15 444	2 225	8 461	2 725
1983	535	99 153	5 773	8 500	8 259
Saskatchewan					
1980	743	1 348 792	17 603	790	15 311
1981	965	1 647 971	538 531	780	21 995
1982	596	64 586	..	1 082	8 250
1983	437	52 172	35 583	8 000	7 589
Alberta					
1980	1 348	672 460	115 349	7 829	37 341
1981	1 522	1 365 600	186 998	22 198	51 830
1982	1 256	679 683	138 015	32 684	55 912
1983	756	2 818	309	19 075	16 214
Prairies					
1980	3 173	2 535 544	242 383	11 650	59 807
1981	3 199	3 410 025	786 318	23 978	81 178
1982	2 277	759 713	140 240	42 227	66 887
1983	1 728	154 143	41 665	35 575	32 062
British Columbia					
1980	1 743	65 578	21 526	7 718	18 024
1981	2 737	106 593	12 857	6 995	39 223
1982	2 205	348 693	43 890	6 456	42 258
1983	1 705	67 365	12 309	50 000	24 800

1 - 7. FOREST FIRE STATISTICS BY PROVINCE, 1980-1983* (CONCLUDED)

Province or territory	No. of fires	Area burned	Value lost	Fire control expenditure	
				Budgeted costs	Fire fighting costs
			----------	$000	----------
Yukon					
1980	150	130 781	6 914	2 855	2 045
1981	91	35 159	1 726	4 428	3
1982	204	254 891	5 994	3 792	532
1983	198	43 006	1 672	5 746	1 478
Northwest Territories					
1980	345	1 214 396	7 030	3 750	11 800
1981	311	984 932	6 266	3 800	7 582
1982	357	302 150	1 705	4 200	7 283
1983	337	226 841	1 585	9 667	7 700
National Parks					
1980	100	279 164	30	--	3 370
1981	142	680 711	..	2 629	1 769
1982	104	8 605	..	1 385	1 031
1983	84	848	..	1 649	300
Other federal lands					
1980	6	17	2	86	3
1981	-	-	-	-	6
1982	-	-	-	-	-
1983	-	-	-	-	-
Total					
1980	**9 147**	**4 822 167**	**351 833**	**71 450**	**154 591**
1981	**10 145**	**5 413 365**	**817 727**	**93 965**	**135 891**
1982	**8 941**	**1 697 591**	**196 579**	**107 056**	**141 565**
1983	**8 930**	**1 194 175**	**101 375**	**155 486**	**100 580**

* Preliminary figures for 1981-1983.

** Excludes the value of timber lost on 18 396 ha in the limited protection zone from 1980 to 1982.

Source: Ramsey, G.S.; Higgins, D.G. Canadian Forest Fire Statistics 1980. Canadian Forestry Service, Environment Canada and preliminary version 1981-1983.

I - 8. STATISTICS ON FOREST INSECT AND DISEASE CONDITIONS - ESTIMATED AVERAGE ANNUAL DEPLETION CAUSED BY IMPORTANT PESTS, 1977-1981

Type	Average annual mortality volume	Growth reduction	Wood destruction	Total
		1 000 000 m^3		
A. Insects				
Spruce budworms				
Nfld.	3.7	..	-	3.7
P.E.I.	..	..	-	..
N.S.	3.1	..	-	3.1
N.B.	1.6	..	-	1.6
Que.	14.8	..	-	14.8
Ont.	11.6	..	-	11.6
Total	34,8	9.7		44.5
Mountain pine beetle	5.1	..	-	5.1
Spruce bark beetle	3.5	..	-	3.5
Other bark beetles	0.3	..	-	0.3
Aspen defoliators	..	8.0	-	8.0
Miscellaneous defoliators	0.3	0.8	-	1.1
Total	**44.0**	**18.5**	**-**	**62.5**
B. Diseases				
Dwarf mistletoes	...	3.8	-	38.8
Hypoxylon canker	11.2	..	-	11.2
Decays	...	...	25.0	25.0
Miscellaneous diseases	4.9	..	-	4.9
Total	**16.1**	**3.8**	**25.0**	**44.9**
Total insects and diseases	**60.1**	**22.3**	**25.0**	**107.4**

Source: Sterner, T.E.; Davidson, A.G. (compilation) and regional centers (collaboration). Forest Insect and Disease Conditions in Canada 1981. Canadian Forestry Service, Environment Canada.

1 - 9. STATISTICS ON PLANTING STOCK FOR REFORESTATION PURPOSES BY OWNERSHIP AND BY PROVINCE, 1982-1984

Province or territory	Number of production centers	Area available for production*	Shippable trees 1982	Planned production 1983	Planned production 1984	Ownership (1983) in %			
			----------000----------			Federal	Provincial	Industry	Private
A. Containerized seedling production									
Nfld.	3	3 204	1 627	3 800	3 800	-	100.0	-	-
P.E.I.	1	3 717	1 633	1 000	1 000	-	100.0	-	-
N.S.	7	18 624	9 650	9 561	10 964	16.3	36.5	27.1	20.1
N.B.	9	27 164	27 363	37 305	38 606	-	68.4	31.6	-
Atlantic provinces	20	52 709	40 273	51 696	54 370	..	..	..	..
Quebec	5	10 999	5 718	13 318	15 518	-	55.9	20.8	23.5
Ontario	28	61 792	32 593	67 134	68 376	-	27.0	-	73.0
Manitoba	2	1 977	981	2 051	3 677	-	100.0	-	-
Sask.	2	1 401	872	-	-	-	-	-	-
Alberta	4	17 833	20 797	29 097	26 600	-	90.2	9.8	-
Prairies	8	21 211	22 650	31 148	30 277	-	..	..	-
B.C.	22	117 355	65 226	96 632	102 132	-	45.9	11.0	43.1
Total	**83**	**264 066**	**166 460**	**259 928**	**270 673**	**0.6**	**50.8**	**11.8**	**36.8**
B. Bare-root seedling production									
Nfld.	1	40	2 243	2 300	3 800	-	100.0	-	-
P.E.I.	1	20	176	400	400	-	100.0	-	-
N.S.	2	72	4 100	5 000	5 000	-	100.0	-	-
N.B.	3	128	20 550	15 120	15 200	-	33.1	66.9	-
Atlantic provinces	7	260	27 069	22 820	24 400	-	..	..	-
Quebec	9	283	34 604	62 549	62 549	-	99.2	0.8	-
Ontario	11	743	63 018	77 700	82 000	-	98.7	1.3	-
Manitoba	1	46	4 071	5 483	5 483	-	100.0	-	-
Sask.	4	158	10 520	16 442	16 442	-	100.0	-	-
Alberta	2	193	9 760	14 516	12 368	-	100.0	-	-
Prairies	7	397	24 351	36 441	34 293	-	100.0	-	-
B.C.	13	975	62 149	81 059	81 759	-	82.3	6.2	11.5
Total	**47**	**2 658**	**211 191**	**280 569**	**285 001**	**-**	**90.8**	**5.9**	**3.3**

* Containerized seedling: square metres; bare-root seedling: hectares.

Source: Smyth, J.H.; Brownwright, A.J. Forest Tree Production Centres in Canada - 1983. Canadian Forestry Service, Environment Canada.

1 - 10. PUBLIC AND INDUSTRY EXPENDITURES ON FOREST MANAGEMENT ACTIVITIES FOR 1977, 1979, AND 1981*

Ownership	Year	Silviculture	Protection	Access roads	Research**	Other†	Total
				$ 000 000			
Provincial	1977	83.5	90.5	45.2	6.2	135.4	**360.8**
	1979	115.7	125.8	72.3	9.9	166.8	**490.5**
	1981	195.6	262.8	79.5	16.5	231.2	**785.6**
Federal	1977	18.6	6.2	10.6	31.0	11.3	**77.7**
	1979	26.9	11.2	19.2	30.1	15.8	**103.2**
	1981	33.7	22.5	23.0	39.9	23.5	**142.6**
Industry	1977	16.3	18.7	161.0	-	25.2	**221.2**
	1979	22.3	21.2	193.3	-	42.1	**278.9**
	1981	43.1	26.4	162.8	-	87.3	**319.6**
Total expenditures	**1977**	**118.4**	**115.4**	**216.8**	**37.2**	**171.9**	**659.7**
	1979	**164.9**	**158.2**	**284.8**	**40.0**	**224.7**	**872.6**
	1981	**272.4**	**311.7**	**265.3**	**56.4**	**342.0**	**1 247.8**

* 1977 for fiscal year 1977-1978, 1979 for 1979-1980, and 1981 for 1981-1982.

** Research expenditures include only provincial and federal estimates.

† Other expenditures in this case include the "inventory", "timber management" and "administration and other" categories of the public expenditures and the "other forestry" category of the industrial expenditure.

Source: Smyth, J.H.; Ramsay, K.L.; Barron, D.E. Forest Management Expenditures in Canada, 1977-1981. Canadian Forestry Service, Environment Canada. Canadian Pulp and Paper Association.

I - 11. PUBLIC AND INDUSTRY EXPENDITURES ON FOREST MANAGEMENT BY OWNERSHIP, BY ACTIVITY, AND BY PROVINCE FOR 1977, 1979, AND 1981*

Ownership/ activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Sub-total	Yukon and N.W.T.	Canada
								$000 000								
Ownership																
Provincial	1977	6.4	0.2	12.4	16.1	35.1	73.6	86.9	6.3	7.7	26.9	40.9	125.2	361.7	-	**361.6**
	1979	7.1	0.6	8.3	18.3	34.3	95.1	106.2	9.5	13.2	45.4	68.1	186.7	490.4	-	**490.4**
	1981	13.3	1.2	10.6	26.7	51.8	106.5	176.3	15.7	34.0	116.3	166.0	284.9	785.5	-	**785.5**
Federal	1977	11.3	0.6	1.2	10.5	23.6	23.0	10.8	-	0.6	4.2	4.8	4.1	66.3	10.5	**76.8**
	1979	8.6	1.4	3.0	12.4	25.4	35.6	11.5	1.3	3.3	3.6	8.2	10.4	91.1	12.2	**103.3**
	1981	8.2	2.0	5.0	14.5	29.7	46.7	24.3	-	2.4	4.9	7.3	10.0	118.0	24.7	**142.7**
Industrial	1977	1.4	-	5.3	10.8	17.5	43.4	29.9	1.0	2.8	13.0	16.8	113.7	221.3	-	**221.3**
	1979	3.6	-	5.3	14.7	23.6	48.3	29.0	1.6	3.1	8.5	13.2	164.8	278.9	-	**278.9**
	1981	7.8	-	10.4	20.7	38.9	55.2	29.0	2.4	4.8	10.2	17.4	179.1	319.6	-	**319.6**
Activity																
Silviculture	1977	0.9	0.6	3.8	7.9	13.2	24.9	31.9	0.9	2.7	6.3	9.9	38.3	118.2	-	**118.2**
	1979	0.6	1.3	3.9	10.4	16.2	30.2	42.3	2.1	4.1	8.7	14.9	60.9	164.5	-	**164.5**
	1981	4.0	1.7	8.7	17.9	32.3	43.1	80.4	1.3	4.0	12.8	18.1	98.4	272.3	-	**272.3**
Protection	1977	2.5	-	1.3	9.8	13.6	31.2	32.0	3.5	3.0	9.7	16.2	16.4	109.4	5.9	**115.3**
	1979	5.6	0.1	2.9	9.3	17.9	23.2	33.4	6.0	5.4	19.4	30.8	42.3	147.6	10.2	**157.8**
	1981	7.6	0.1	3.7	15.6	27.0	29.9	52.3	11.6	26.4	76.8	114.8	65.3	289.3	22.3	**311.6**

I - 11. PUBLIC AND INDUSTRY EXPENDITURES ON FOREST MANAGEMENT BY OWNERSHIP, BY ACTIVITY AND BY PROVINCE FOR 1977, 1979 AND 1981* (CONCLUDED)

Ownership/ activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Sub-total	Yukon and N.W.T.	Canada
								$000 000								
Access roads	1977	4.6	-	4.9	4.7	14.2	41.5	31.5	1.7	3.6	8.6	13.9	115.7	216.8	-	216.8
	1979	4.1	0.1	5.1	5.4	14.7	53.7	32.0	2.0	6.3	5.2	13.5	170.8	284.7	-	284.7
	1981	4.8	0.1	6.1	2.9	13.9	53.7	43.6	2.4	6.3	7.7	16.4	137.7	265.3	-	265.3
Research**	1977	1.8	-	0.3	3.8	5.9	9.3	11.6	-	-	3.8	3.8	6.6	37.2	-	37.2
	1979	2.1	0.1	0.3	5.3	7.8	6.3	13.3	-	-	3.6	3.6	9.0	40.0	-	40.0
	1981	3.4	0.3	0.3	6.5	10.5	7.7	17.5	-	-	5.7	5.7	15.0	56.4	-	56.4
Other†	1977	9.3	0.2	8.6	11.1	29.2	33.1	20.4	1.2	1.7	15.7	18.6	65.9	167.2	4.6	171.8
	1979	6.7	0.4	4.1	14.9	26.1	65.7	25.6	2.1	3.7	20.5	26.3	78.9	222.6	2.0	224.6
	1981	9.4	1.0	7.2	19.0	36.6	73.9	35.9	2.8	4.5	28.4	35.7	157.6	339.7	2.4	342.1
Total	**1977**	**19.1**	**0.8**	**18.9**	**37.3**	**76.1**	**140.0**	**127.4**	**7.3**	**11.0**	**44.1**	**62.4**	**242.9**	**648.8**	**10.5**	**659.3**
	1979	**19.1**	**2.0**	**16.3**	**45.3**	**82.7**	**179.1**	**146.6**	**12.2**	**19.5**	**57.4**	**89.1**	**361.9**	**859.4**	**12.2**	**871.6**
	1981	**29.2**	**3.2**	**26.0**	**61.9**	**120.3**	**208.3**	**229.7**	**18.1**	**41.2**	**131.4**	**190.7**	**474.0**	**1 223.0**	**24.7**	**1 247.7**

* 1977 for fiscal year 1977-1978, 1979 for 1979-1980 and 1981 for 1981-1982.

** Research expenditures include only provincial and federal estimates.

† Other expenditures in this case include the "inventory", "timber management" and "administration and other" categories of the public expenditures and the "other forestry" category of the industrial expenditure.

Source: Smyth, J.H.; Ramsay, K.L.; Berron, D.E. Forest Management Expenditures in Canada, 1977-1981. Canadian Forestry Service, Environment Canada. Canadian Pulp and Paper Association.

SECTION II

COMMODITY PRODUCTION AND SHIPMENTS

II - 1. ROUNDWOOD PRODUCTION BY SPECIES GROUP, 1950-1983

Year	Industrial roundwood						Fuelwood			Total		
	Logs and bolts	Pulp-wood	Other roundwood	Total	Softwoods	Hardwoods	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total
	1 000 m^3											
1950	40 095	32 311	1 700	**74 106**	..	..	..	..	**11 509**	..	..	**85 615**
1960	51 120	33 924	1 461	**86 505**	..	..	..	..	**6 751**	..	..	**93 256**
1970	75 644	40 402	1 278	**117 324**	109 323	8 001	1 527	2 569	**4 096**	110 669	10 750	**121 419**
1971	79 948	36 902	1 141	**117 991**	109 777	8 214	1 276	2 458	**3 734**	109 029	10 672	**119 701**
1972	81 211	38 428	1 109	**120 748**	111 331	9 417	1 196	2 187	**3 383**	112 526	11 604	**124 131**
1973	96 886	42 378	1 079	**140 343**	129 688	10 655	1 165	2 297	**3 462**	130 853	12 952	**143 806**
1974	85 295	48 034	1 087	**134 416**	124 575	9 841	1 149	2 363	**3 512**	125 724	12 204	**137 928**
1975	73 543	37 063	891	**111 497**	103 437	8 060	1 211	2 554	**3 765**	104 648	10 614	**115 262**
1976	97 135	36 832	1 260	**135 227**	127 083	8 144	1 266	2 633	**3 899**	128 349	10 777	**139 126**
1977	103 707	36 732	1 141	**141 580**	132 652	8 928	1 017	2 665	**3 682**	133 669	11 593	**145 262**
1978	111 537	38 831	1 344	**151 712**	142 798	8 914	1 109	3 074	**4 183**	143 907	11 988	**155 895**
1979	114 433	41 029	1 789	**157 251**	147 661	9 590	1 281	3 225	**4 506**	148 942	12 815	**161 757**
1980	109 957	38 783	1 909	**150 649**	141 285	9 364	1 278	3 453	**4 731**	142 563	12 817	**155 380**
1901	96 318	41 204	1 562	**139 084**	130 633	8 451	1 410	4 078	**5 488**	132 043	12 529	**144 572**
1982	88 869	31 084	1 390	**121 343**	114 317	7 026	1 548	4 125	**5 673**	115 865	11 151	**127 016**
1983e	111 269	38 090	1 365	**150 724**	141 853	8 871	1 577	4 620	**6 197**	143 430	13 491	**156 921**

Source: Statistics Canada Cat. No. 25-201.

ROUNDWOOD

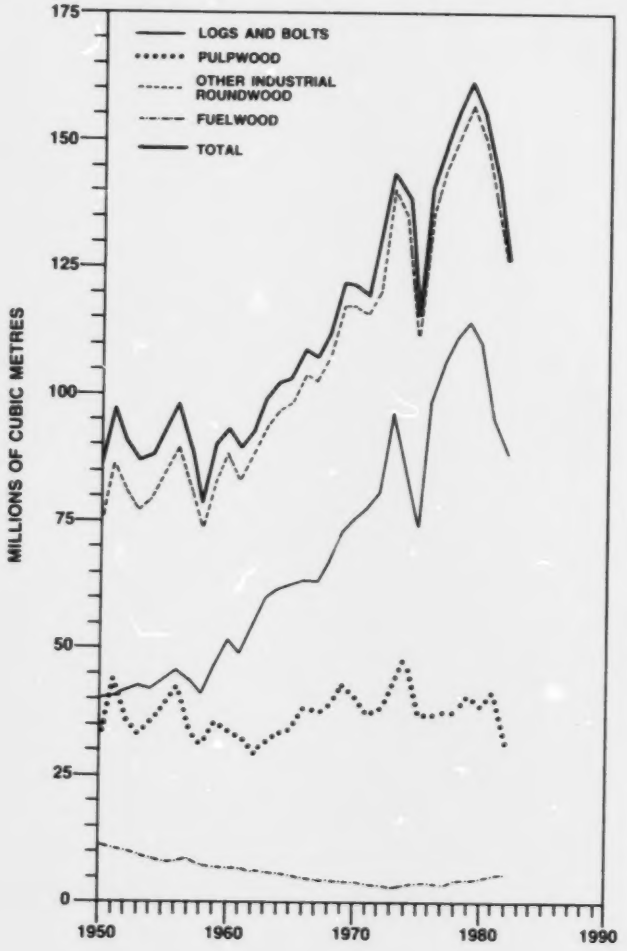

FIGURE 4 ROUNDWOOD PRODUCTION IN CANADA, 1950-1982

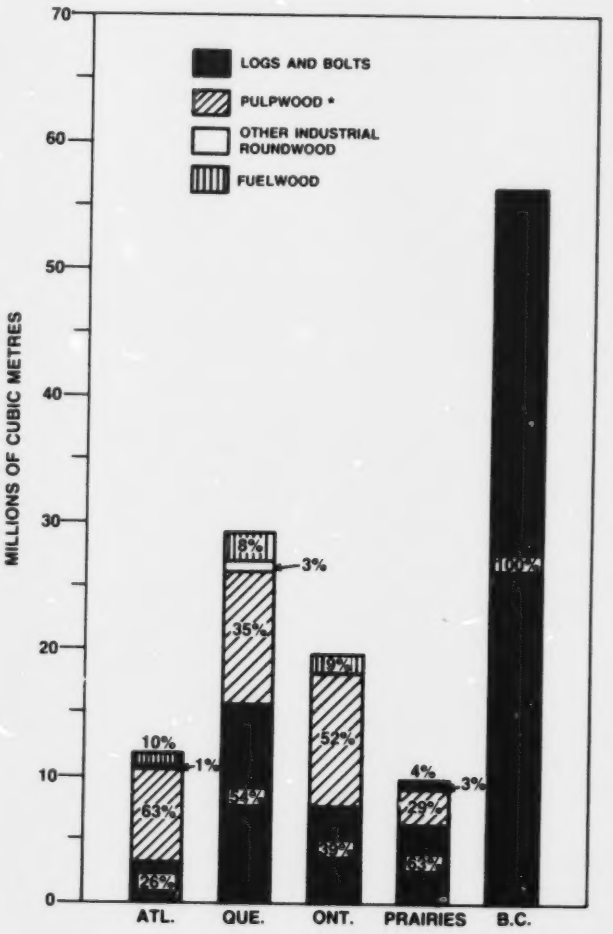

FIGURE 5 ROUNDWOOD PRODUCTION BY REGION, 1982

* In B.C. logs and bolts statistics include pulpwood

SOURCE: STATISTICS CANADA CAT. 25-201.

II - 2. ROUNDWOOD PRODUCTION BY PROVINCE, CATEGORY AND SPECIES GROUP, 1970-1982

Year	Industrial roundwood						Fuelwood			Total		
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total
	1 000 m^3											
Newfoundland												
1970	170	2 527	4	**2 701**	2 701	-	112	35	**147**	2 813	36	**2 849**
1971	151	2 013	4	**2 168**	2 165	3	125	31	**156**	2 290	34	**2 324**
1972	148	2 071	6	**2 225**	2 222	3	105	25	**130**	2 327	28	**2 355**
1973	241	2 563	7	**2 811**	2 808	3	108	34	**142**	2 915	37	**2 952**
1974	184	2 874	8	**3 066**	3 063	3	108	37	**145**	3 171	40	**3 211**
1975	147	2 195	6	**2 348**	2 345	3	79	25	**104**	2 424	28	**2 452**
1976	207	2 011	20	**2 238**	2 232	6	76	31	**107**	2 309	37	**2 345**
1977	230	1 875	8	**2 113**	2 110	3	62	20	**82**	2 172	23	**2 195**
1978	261	1 909	8	**2 178**	2 175	3	88	22	**110**	2 263	25	**2 288**
1979	269	1 968	17	**2 254**	2 248	6	202	25	**227**	2 450	31	**2 481**
1980	207	2 189	130	**2 526**	2 523	3	241	28	**269**	2 764	31	**2 795**
1981	261	1 903	8	**2 172**	2 169	3	356	40	**396**	2 525	43	**2 568**
1982	147	1 736	9	**1 892**	1 889	3	425	62	**487**	2 314	65	**2 379**
Prince Edward Island												
1970	68	109	10	**187**	186	1	34	23	**57**	220	24	**245**
1971	77	66	9	**152**	137	15	40	20	**60**	177	35	**212**
1972	67	66	5	**138**	134	4	31	20	**51**	165	24	**188**
1973	69	62	10	**141**	129	12	3	28	**31**	131	40	**172**
1974	83	62	8	**153**	148	5	6	31	**37**	154	36	**190**
1975	71	45	6	**122**	118	4	8	37	**45**	126	41	**167**
1976	68	48	6	**122**	116	6	8	34	**42**	125	40	**165**
1977	65	37	3	**105**	105	-	6	28	**34**	111	28	**139**
1978	71	45	6	**122**	122	-	6	31	**37**	128	31	**159**
1979	85	48	11	**144**	144	-	11	68	**79**	155	68	**223**
1980	91	91	11	**193**	184	9	14	71	**85**	198	80	**278**
1981	102	59	28	**189**	172	17	11	133	**144**	183	150	**333**
1982	68	48	9	**125**	116	9	17	133	**150**	133	142	**275**

II - 2. ROUNDWOOD PRODUCTION BY PROVINCE, CATEGORY AND SPECIES GROUP, 1970-1982 (CONTINUED)

Year	Industrial roundwood						Fuelwood			Total		
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total
						1 000 m^3						
Nova Scotia												
1970	1 033	2 022	32	**3 087**	2 876	211	48	109	**157**	2 904	320	**3 224**
1971	801	2 263	19	**3 083**	2 879	204	45	108	**153**	2 924	312	**3 236**
1972	953	2 144	16	**3 133**	2 832	301	40	105	**145**	2 851	405	**3 257**
1973	1 025	2 394	16	**3 435**	3 071	364	51	108	**159**	3 125	471	**3 596**
1974	1 021	2 792	14	**3 827**	3 420	407	42	127	**169**	3 462	534	**3 996**
1975	837	2 508	13	**3 358**	3 075	283	40	141	**181**	3 115	424	**3 539**
1976	957	2 265	20	**3 242**	2 970	272	48	164	**212**	3 019	436	**3 455**
1977	940	2 540	8	**3 489**	3 243	246	45	142	**187**	3 288	388	**3 676**
1978	974	2 968	11	**3 953**	3 675	278	43	161	**204**	3 178	439	**4 157**
1979	1 059	3 098	14	**4 171**	3 802	369	57	161	**218**	3 859	530	**4 389**
1980	960	3 310	11	**4 281**	3 757	524	62	201	**263**	3 819	725	**4 544**
1981	897	2 795	17	**3 709**	3 367	342	42	235	**277**	3 409	577	**3 986**
1982	784	1 943	11	**2 738**	2 557	181	40	223	**263**	2 597	404	**3 001**
New Brunswick												
1970	*1 871*	*4 712*	33	**6 616**	5 822	794	15	184	**199**	5 837	978	**6 815**
1971	1 778	4 913	24	**6 715**	5 794	921	19	171	**190**	5 813	1 091	**6 905**
1972	1 830	5 167	50	**7 047**	6 121	926	25	154	**179**	6 146	1 080	**7 225**
1973	2 418	6 258	37	**8 713**	7 181	1 532	20	136	**156**	7 200	1 668	**8 868**
1974	1 926	6 626	59	**8 611**	6 954	1 657	23	147	**170**	6 977	1 804	**8 781**
1975	1 755	4 913	45	**6 713**	5 479	1 234	40	153	**193**	5 519	1 387	**6 906**
1976	1 798	5 395	88	**7 281**	6 083	1 198	48	150	**198**	6 131	1 348	**7 479**
1977	1 897	5 550	85	**7 532**	6 399	1 333	31	139	**170**	6 430	1 272	**7 702**
1978	2 265	5 947	93	**8 305**	7 147	1 158	34	170	**204**	7 181	1 328	**8 509**
1979	2 322	6 088	85	**8 495**	7 277	1 218	34	221	**255**	7 311	1 439	**8 750**
1980	2 345	5 714	76	**8 135**	7 022	1 113	34	218	**252**	7 056	1 331	**8 387**
1981	2 282	5 165	82	**7 529**	6 524	1 005	37	229	**266**	6 561	1 234	**7 795**
1982	2 061	3 956	62	**6 079**	5 233	846	48	193	**241**	5 281	1 039	**6 320**

II - 2. ROUNDWOOD PRODUCTION BY PROVINCE, CATEGORY AND SPECIES GROUP, 1970-1982 (CONTINUED)

Year	Industrial roundwood						Fuelwood			Total		
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total
	1 000 m^3											
Quebec												
1970	8 778	17 740	251	**26 769**	23 272	3 497	906	1 223	**2 129**	24 179	4 720	**28 999**
1971	9 260	15 291	260	**24 811**	21 365	3 446	569	1 201	**1 770**	21 934	4 647	**26 581**
1972	10 534	15 350	271	**26 155**	21 933	4 222	586	1 104	**1 690**	22 501	5 326	**27 827**
1973	11 086	16 310	254	**27 650**	23 049	4 601	561	1 138	**1 699**	23 611	5 740	**29 350**
1974	12 204	18 548	275	**31 027**	27 459	3 568	538	1 147	**1 685**	27 997	4 715	**32 712**
1975	11 214	15 149	232	**26 595**	23 650	2 945	566	1 246	**1 812**	24 216	4 181	**28 407**
1976	13 309	13 598	311	**27 218**	23 990	3 228	566	1 274	**1 840**	24 556	4 502	**29 058**
1977	16 353	12 601	297	**29 251**	25 655	3 596	453	1 359	**1 812**	26 108	4 955	**31 063**
1978	18 576	13 096	396	**32 068**	28 571	3 497	510	1 501	**2 011**	29 081	4 998	**34 079**
1979	19 142	14 045	425	**33 612**	30 322	3 290	481	1 643	**2 124**	30 803	4 933	**35 736**
1980	16 848	12 318	453	**29 620**	26 505	3 115	368	1 699	**2 067**	26 873	4 814	**31 687**
1981	16 452	14 979	595	**30 026**	29 167	2 859	396	1 812	**2 208**	29 563	4 671	**34 234**
1982	15 787	10 316	793	**26 896**	24 522	2 374	368	1 869	**2 237**	24 890	4 243	**29 133**
Ontario												
1970	5 154	10 638	216	**16 008**	13 068	2 940	181	612	**793**	13 250	3 551	**16 801**
1971	5 380	9 472	208	**15 060**	12 172	2 888	229	549	**778**	12 401	3 438	**15 839**
1972	6 088	10 349	201	**16 638**	13 575	3 063	212	510	**732**	13 787	3 574	**17 361**
1973	6 357	11 142	203	**17 702**	14 658	3 044	215	527	**742**	14 875	3 571	**18 446**
1974	6 017	11 893	150	**18 060**	14 903	3 157	227	580	**807**	15 130	3 737	**18 867**
1975	5 267	7 929	142	**13 337**	10 760	2 577	241	637	**878**	11 001	3 214	**14 215**
1976	7 362	9 401	193	**16 956**	14 181	2 775	255	665	**920**	14 436	3 340	**17 876**
1977	7 915	10 306	156	**18 377**	15 107	3 270	198	694	**892**	15 305	3 964	**19 269**
1978	8 255	10 604	139	**18 998**	15 636	3 362	255	934	**1 189**	15 891	4 296	**20 187**
1979	9 132	10 769	133	**20 034**	16 098	3 936	297	963	**1 260**	16 395	4 899	**21 294**
1980	9 061	10 803	113	**19 977**	16 226	3 751	255	1 090	**1 345**	16 481	4 841	**21 322**
1981	8 707	12 105	127	**20 939**	17 683	3 256	382	1 487	**1 869**	18 065	4 743	**22 808**
1982	7 634	10 222	113	**17 969**	15 087	2 882	359	1 450	**1 809**	15 446	4 322	**19 778**

II - 2. ROUNDWOOD PRODUCTION BY PROVINCE, CATEGORY AND SPECIES GROUP, 1970-1982 (CONTINUED)

Year	Industrial roundwood						Fuelwood			Total		
	Logs and bolts	Pulpwood	Other roundwood	**Total**	Softwoods	Hardwoods	Softwoods	Hardwoods	**Total**	Softwoods	Hardwoods	**Total**
					1 000 m^3							
Manitoba												
1970	314	664	91	**1 075**	929	146	100	84	**184**	1 029	230	**1 260**
1971	405	873	92	**1 370**	1 233	137	111	74	**185**	1 344	212	**1 556**
1972	581	954	115	**1 654**	1 481	173	108	74	**182**	1 589	246	**1 835**
1973	691	886	93	**1 675**	1 502	173	93	59	**152**	1 596	232	**1 828**
1974	510	1 321	105	**1 936**	1 816	120	91	74	**165**	1 907	194	**2 101**
1975	504	1 274	88	**1 866**	1 753	113	85	71	**156**	1 838	184	**2 022**
1976	589	878	105	**1 572**	1 487	85	85	85	**170**	1 572	170	**1 742**
1977	603	948	91	**1 642**	1 563	79	57	85	**142**	1 620	164	**1 784**
1978	640	937	93	**1 670**	1 563	107	45	88	**133**	1 608	195	**1 803**
1979	654	1 085	59	**1 798**	1 653	145	37	68	**105**	1 690	213	**1 903**
1980	688	1 458	82	**2 228**	2 106	122	25	82	**107**	2 131	204	**2 335**
1981	543	1 104	54	**1 701**	1 608	93	25	77	**102**	1 633	170	**1 803**
1982	527	790	57	**1 374**	1 283	91	28	96	**124**	1 311	187	**1 498**
Saskatchewan												
1970	608	1 253	259	**2 120**	1 910	210	68	188	**256**	1 977	398	**2 375**
1971	597	1 231	212	**2 040**	1 802	238	65	187	**252**	1 867	425	**2 292**
1972	976	1 308	171	**2 455**	2 144	311	48	136	**184**	2 194	447	**2 641**
1973	944	1 356	174	**2 474**	2 188	286	54	190	**244**	2 242	477	**2 718**
1974	710	1 687	170	**2 567**	2 276	291	51	159	**210**	2 327	450	**2 777**
1975	713	1 305	74	**2 092**	1 790	302	59	162	**221**	1 849	464	**2 313**
1976	1 127	1 345	167	**2 639**	2 342	297	71	156	**227**	2 413	453	**2 866**
1977	1 897	722	156	**2 775**	2 350	425	42	142	**184**	2 932	567	**2 959**
1978	1 614	974	119	**2 707**	2 367	340	46	110	**156**	2 413	450	**2 863**
1979	1 778	1 549	127	**3 454**	3 083	371	77	48	**125**	3 160	419	**3 579**
1980	1 520	1 569	122	**3 211**	2 849	362	79	40	**119**	2 928	402	**3 330**
1981	1 662	1 605	161	**3 428**	2 918	510	85	42	**127**	3 003	552	**3 555**
1982	1 382	898	122	**2 402**	2 102	300	79	45	**124**	2 181	345	**2 526**

II - 2. ROUNDWOOD PRODUCTION BY PROVINCE, CATEGORY AND SPECIES GROUPS, 1970-1982 (CONCLUDED)

Year	Industrial roundwood						Fuelwood			Total		
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total
					1 000 m^3							
Alberta												
1970	3 186	690	115	**3 991**	3 937	52	40	112	**152**	3 978	166	**4 144**
1971	3 101	779	99	**3 979**	3 910	69	42	117	**159**	3 952	186	**3 138**
1972	3 639	1 017	147	**4 803**	4 695	108	31	59	**90**	4 726	167	**4 893**
1973	3 956	1 402	134	**5 492**	5 430	62	31	76	**107**	5 460	139	**5 599**
1974	2 560	2 229	176	**4 965**	4 894	71	34	59	**93**	4 928	130	**5 058**
1975	2 944	1 745	144	**4 833**	4 751	82	51	79	**130**	4 802	161	**4 963**
1976	3 341	1 892	272	**5 505**	5 434	71	51	71	**122**	5 485	142	**5 627**
1977	3 893	2 152	212	**6 257**	6 218	39	59	54	**113**	6 277	93	**6 370**
1978	3 817	2 351	249	**6 417**	6 374	43	45	57	**102**	6 419	100	**6 519**
1979	3 945	2 379	606	**6 930**	6 902	28	37	28	**65**	6 939	56	**6 995**
1980	3 925	1 331	609	**5 865**	5 757	108	45	23	**68**	5 802	131	**5 933**
1981	4 647	1 489	399	**6 535**	6 402	133	28	23	**51**	6 430	156	**6 586**
1982	4 257	1 175	147	**5 581**	5 462	119	79	54	**133**	5 541	173	**5 714**
British Columbia*												
1970	54 409	..	318	**54 727**	54 399	327	..	..	..	54 399	327	**54 726**
1971	56 364	..	186	**56 550**	56 257	293	..	..	..	56 257	293	**56 551**
1972	56 338	..	114	**56 452**	56 146	306	..	..	..	56 146	306	**56 451**
1973	69 998	..	139	**70 137**	69 560	577	..	..	..	69 560	577	**70 137**
1974	59 975	..	111	**60 086**	59 525	561	..	..	..	59 525	561	**60 086**
1975	49 942	..	136	**50 078**	49 554	516	..	..	..	49 562	516	**50 078**
1976	69 424	..	96	**69 524**	69 313	207	..	..	..	69 314	207	**69 521**
1977	69 823	..	147	**69 970**	69 834	136	..	..	..	69 834	136	**69 971**
1978	74 951	..	213	**75 164**	75 037	127	..	..	..	75 037	127	**75 164**
1979	75 892	..	303	**76 194**	75 968	227	..	..	..	75 968	227	**76 195**
1980	74 247	..	407	**74 654**	74 396	258	..	..	..	74 396	258	**74 654**
1981	60 700	..	80	**60 780**	60 547	233	..	..	..	60 547	233	**60 780**
1982	56 178	..	53	**56 231**	56 010	221	..	..	..	56 010	221	**56 231**

* Pulpwood included in logs and bolts and fuelwood included in other roundwood.

Source: Statistics Canada Cat. No. 25-201.

II - 3. LUMBER PRODUCTION BY PROVINCE AND SPECIES GROUP, 1950-1982

Year	Species	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon & N.W.T.	Total Canada
							1 000 m^3						
1950	Softwoods	104	27	605	636	2 186	1 551	125	142	772	8 254	8	14 410
	Hardwoods	3	1	58	69	479	384	13	14	9	25	-	1 055
	Total	**107**	**27**	**664**	**705**	**2 665**	**1 935**	**138**	**156**	**781**	**8 280**	**8**	**15 465**
1960	Softwoods	67	20	525	581	2 119	1 098	65	145	718	12 511	14	17 862
	Hardwoods	1	--	23	75	514	386	16	14	8	7	-	1 045
	Total	**68**	**20**	**548**	**656**	**2 633**	**1 484**	**82**	**159**	**726**	**12 518**	**14**	**18 907**
1970	Softwoods	81	28	464	564	3 321	1 494	83	248	1 092	18 056	17	25 449
	Hardwoods	-	--	12	96	464	508	40	-	8	12	-	1 139
	Total	**81**	**28**	**476**	**660**	**3 785**	**2 002**	**122**	**248**	**1 100**	**18 067**	**17**	**26 588**
1971	Softwoods	74	29	361	603	3 560	1 658	131	286	1 171	21 081	11	28 965
	Hardwoods	1	3	12	75	491	429	33	-	9	8	1	1 062
	Total	**75**	**32**	**372**	**677**	**4 051**	**2 087**	**164**	**286**	**1 180**	**21 090**	**12**	**30 027**
1972	Softwoods	73	27	431	660	4 368	1 780	187	394	1 373	22 423	7	31 724
	Hardwoods	1	--	12	76	607	499	50	-	22	9	1	1 276
	Total	**75**	**27**	**442**	**736**	**4 975**	**2 279**	**237**	**394**	**1 395**	**22 431**	**8**	**33 000**
1973	Softwoods	117	34	459	604	4 859	2 116	155	383	1 863	24 581	7	35 179
	Hardwoods	2	-	12	98	703	555	30	11	38	15	-	1 465
	Total	**119**	**34**	**471**	**702**	**5 563**	**2 671**	**185**	**394**	**1 901**	**24 597**	**7**	**36 644**
1974	Softwoods	85	21	453	639	4 575	2 241	245	285	1 517	20 613	6	30 680
	Hardwoods	2	7	15	77	701	590	29	4	4	15	-	1 444
	Total	**87**	**28**	**468**	**716**	**5 276**	**2 831**	**274**	**289**	**1 521**	**20 628**	**6**	**32 124**
1975	Softwoods	68	28	374	609	4 309	1 917	164	263	1 003	17 566	10	26 312
	Hardwoods	1	-	13	71	479	396	29	-	-	3	-	993
	Total	**70**	**28**	**387**	**680**	**4 787**	**2 313**	**193**	**264**	**1 003**	**17 569**	**10**	**27 305**

II - 3. LUMBER PRODUCTION BY PROVINCE AND SPECIES GROUP, 1950-1982

Year	Species	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon & N.W.T.	Total Canada
							1 000 m^3						
1976	Softwoods	100	28	429	686	5 170	2 277	207	454	1 201	25 075	11	35 638
	Hardwoods	2	-	14	83	562	497	20	7	-	-	-	1 184
	Total	**102**	**28**	**443**	**769**	**5 731**	**2 773**	**228**	**460**	**1 201**	**25 075**	**11**	**36 822**
1977	Softwoods	111	28	423	695	6 051	2 731	211	499	1 455	28 377	14	40 594
	Hardwoods	2	-	12	61	442	459	22	15	22	1	-	1 038
	Total	**113**	**28**	**435**	**756**	**6 493**	**3 191**	**233**	**514**	**1 477**	**28 378**	**14**	**41 633**
1978	Softwoods	112	30	437	879	6 948	3 267	220	479	1 621	29 569	14	43 576
	Hardwoods	1	8	11	56	624	561	30	9	9	2	-	1 311
	Total	**113**	**38**	**448**	**935**	**7 572**	**3 828**	**250**	**488**	**1 631**	**29 570**	**14**	**44 887**
1979	Softwoods	116	33	470	991	7 655	3 645	226	438	1 607	30 355	28	45 564
	Hardwoods	2	7	22	68	464	505	43	6	16	2	-	1 136
	Total	**118**	**40**	**492**	**1 059**	**8 119**	**4 150**	**270**	**444**	**1 622**	**30 357**	**28**	**46 700**
1980	Softwoods	99	35	427	1 146	7 361	3 868	247	394	1 704	28 202	40	43 524
	Hardwoods	2	2	18	78	698	599	37	21	12	5	-	1 472
	Total	**101**	**38**	**444**	**1 224**	**8 059**	**4 468**	**284**	**415**	**1 716**	**28 207**	**40**	**44 995**
1981	Softwoods	77	35	379	865	7 030	3 717	191	440	1 926	24 544	32	39 237
	Hardwoods	2	7	24	59	354	471	31	11	19	3	-	980
	Total	**79**	**42**	**403**	**924**	**7 384**	**4 188**	**222**	**452**	**1 945**	**24 547**	**32**	**40 217**
1982	Softwoods	68	24	338	660	6 100	3 328	222	450	1 746	23 406	22	36 364
	Hardwoods	1	5	22	49	417	536	31	8	20	-	-	1 088
	Total	**70**	**28**	**361**	**708**	**6 517**	**3 864**	**252**	**458**	**1 767**	**23 406**	**22**	**37 452**

Source: Statistics Canada Cat. No. 35-204.

LUMBER

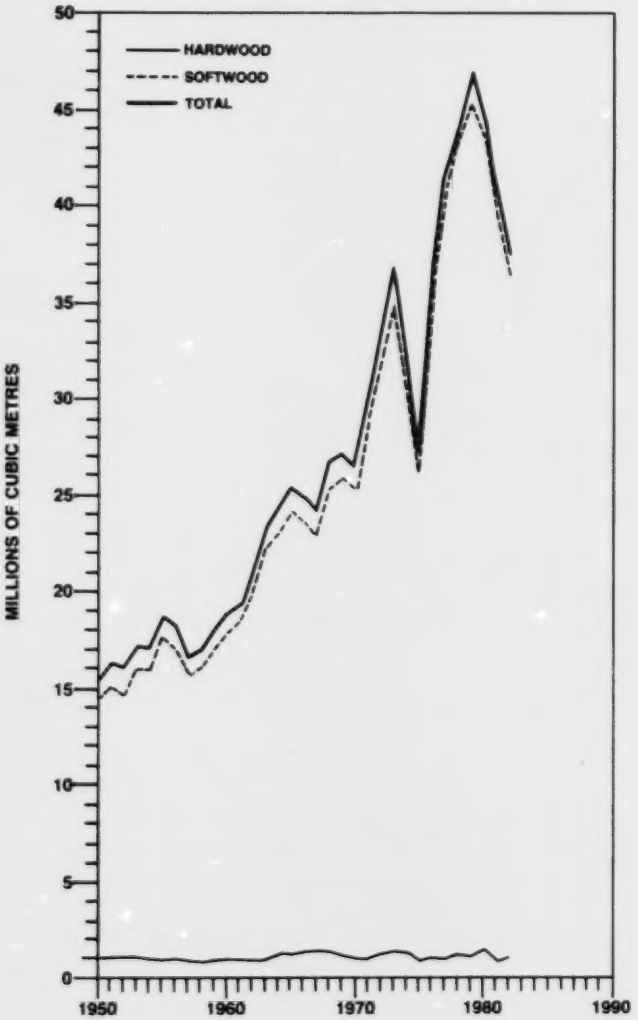

FIGURE 6 LUMBER PRODUCTION IN CANADA, 1950-1982

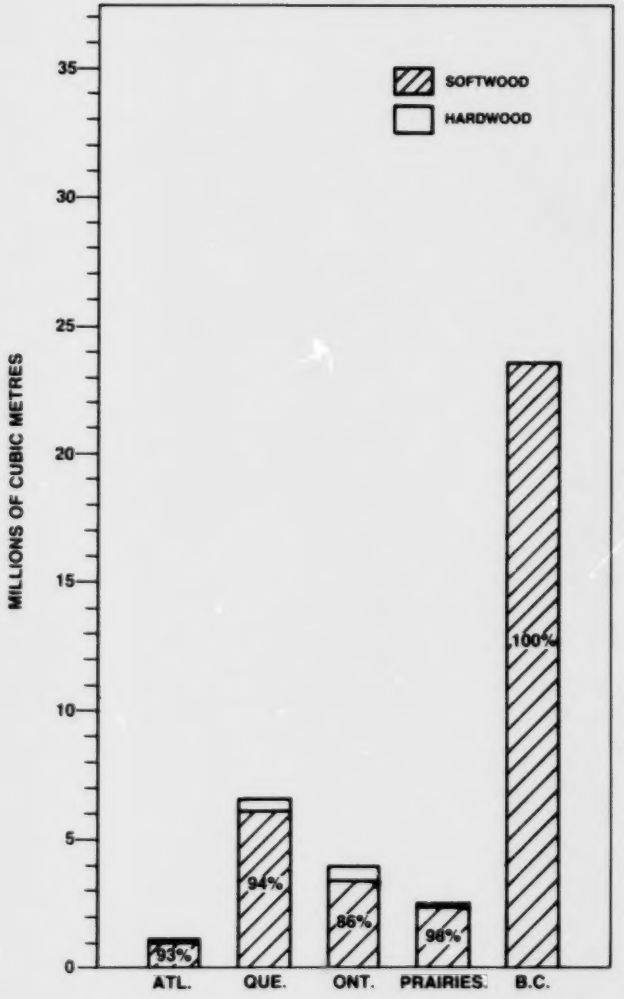

FIGURE 7 LUMBER PRODUCTION BY REGION, 1982

SOURCE: STATISTICS CANADA CAT. 35-204.

II - 4. PULPWOOD PRODUCTION FOR DOMESTIC USE AND WOOD RESIDUE RECEIPTS, 1970-1983

Year	Roundwood			Wood residue			Total Wood
	Limit production*	Purchased	Total	Chips	Veneer cores, slabs and edgings, sawdust, shavings, etc.	Total	
				1 000 m^3			
1970	26 469	23 484	49 954	16 984	960	17 944	67 898
1971	22 590	22 007	44 597	19 232	1 249	20 480	65 077
1972	24 092	20 674	44 766	21 495	1 875	23 370	68 136
1973	30 933	21 130	52 063	24 636	2 911	27 547	79 610
1974	35 479	23 900	59 379	28 407	2 569	30 976	90 355
1975	29 137	17 434	46 571	21 608	1 882	23 490	70 061
1976	24 157	18 585	42 742	31 467	2 552	34 019	76 761
1977	27 201	16 983	44 184	31 180	2 410	33 590	77 774
1978	27 930	17 511	45 441	33 489	2 766	36 255	81 696
1979	31 012	17 720	48 732	36 352	2 923	39 275	88 007
1980	28 758	21 094	49 852	37 206	2 768	39 974	89 826
1981	29 784	22 904	52 688	35 357	2 762	38 119	90 807
1982	21 906	19 432	41 338	30 703	2 643	33 346	74 684
1983	23 340	19 688	43 028	36 241	3 476	39 717	82 745

* Limit production means the volume produced from an owner's freehold lands or leased lands.

Source: Statistics Canada Cat. No. 25-001.

II - 5. WOOD PULP PRODUCTION BY KIND, 1950-1983

Year	Dissolving and special alpha sulphite and sulphate	Chemical						Mechanical				
		Sulphite		Sulphate			Semi-chemical	Groundwood	Defibrated and exploded	Screenings chemical and mechanical	All other pulp	Total
		Bleached	Unbleached	Bleached	Semi-bleached	Unbleached						
		1 000 t										
1950	305	386	1 315	408	*	548	..	4 455	..	96	174	**7 688**
1960	356	519	1 559	1 062	257	895	..	5 335	143	66	205	**10 398**
1970	411	683	1 871	3 660	1 084	1 341	296	6 940	259	64	-	**16 610**
1971	388	587	1 706	3 853	1 150	1 467	301	6 718	307	65	-	**16 543**
1972	370	526	1 711	4 391	1 127	1 639	337	6 967	330	55	-	**17 453**
1973	293	507	1 750	5 049	1 097	1 922	349	7 196	345	55	-	**18 564**
1974	333	734	1 865	5 409	1 097	1 942	328	7 589	320	62	-	**19 679**
1975	226	516	1 443	4 219	863	1 314	233	6 007	263	28	-	**15 113**
1976	222	609	1 648	5 265	1 037	1 560	269	7 036	259	41	-	**17 946**
1977	230	636	1 621	5 300	1 039	1 574	263	7 226	243	34	-	**18 168**
1978	341	516	1 787	5 871	1 054	1 942	318	7 910	369	44	-	**20 152**
1979	311	478	1 806	6 282	1 038	2 061	354	7 956	397	45	-	**20 728**
1980	271	463	1 671	6 580	1 185	1 998	345	7 748	384	41	-	**20 687**
1981	274	488	1 769	6 278	1 009	1 921	392	8 085	311	45	-	**20 572**
1982	219	343	1 407	5 955	1 017	1 649	318	7 214	243	38	110	**18 514**
1983 **	216	372	1 319	6 785	1 128	2 147	387	8 233	292	31	-	**20 910**

* Included with sulphate bleached wood pulp.

** Canadian Pulp and Paper Association estimates.

Source: Statistics Canada Cat. No. 36-204 and Canadian Pulp and Paper Association Reference Tables 1984.

II - 6. WOOD PULP PRODUCTION BY REGION, 1950-1983

Year	Quebec	Ontario	British Columbia	Atlantic provinces	Prairie provinces	Total
			1 000 t			
1950	3 559	2 085	705	1 008	331	**7 688**
1960	4 055	2 692	1 927	1 430	294	**10 398**
1970	5 898	3 601	4 100	2 491	520	**16 610**
1971	5 666	3 447	4 409	2 419	601	**16 543**
1972	5 893	3 572	4 576	2 766	646	**17 453**
1973	5 591	3 669	5 337	3 217	750	**18 564**
1974	6 353	3 877	5 267	3 305	877	**19 679**
1975	5 198	2 540	3 998	2 560	817	**15 113**
1976	5 882	3 060	5 320	2 784	902	**17 946**
1977	5 860	3 662	4 831	2 876	940	**18 168**
1978	6 632	4 127	5 426	2 941	1 027	**20 152**
1979	6 869	4 322	5 523	2 956	1 058	**20 728**
1980	6 356	4 368	5 782	3 188	993	**20 687**
1981	6 858	4 394	4 995	3 229	1 096	**20 572**
1982	6 283	3 753	4 938	2 626	914	**18 514**
1983*	6 762	4 212	6 143	3 792	**	**20 910**

* Canadian Pulp and Paper Association estimates.
** Included in Atlantic provinces.

Note: Approximately 76% used in production of paper and board in Canada.

Source: Statistics Canada Cat. No. 36-204 and Canadian Pulp and Paper Association Reference Tables 1984.

WOOD PULP

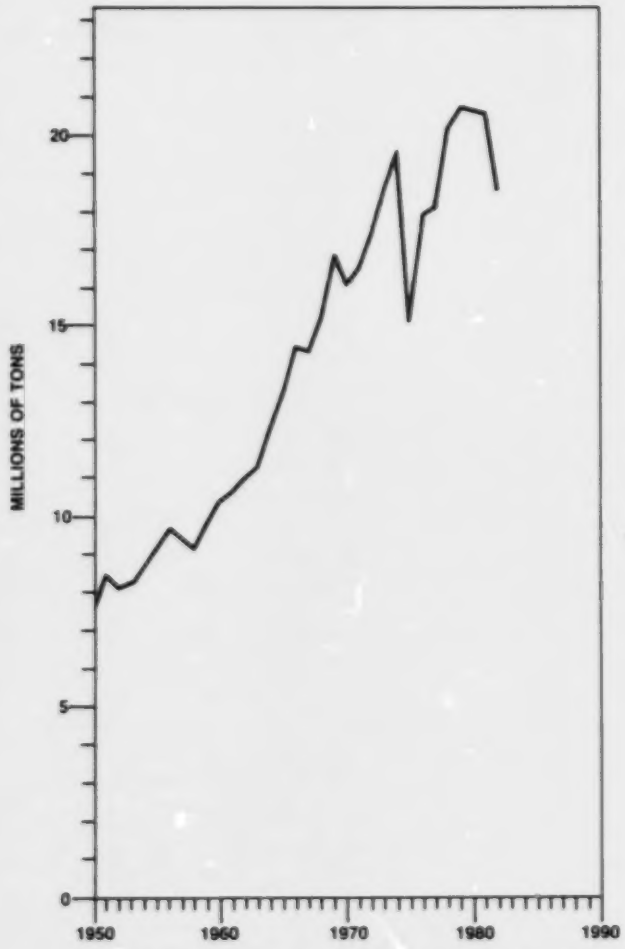

FIGURE 8 WOOD PULP PRODUCTION IN CANADA, 1950-1982

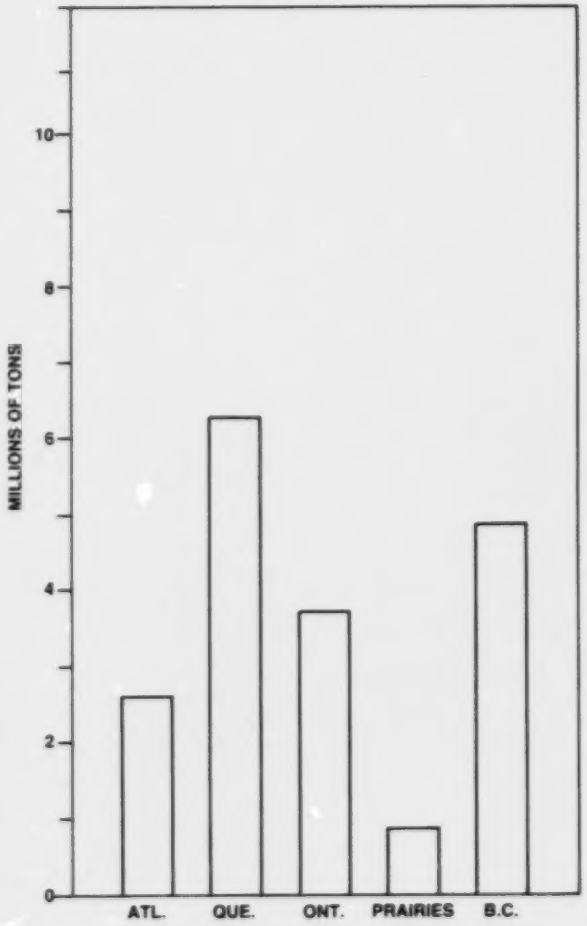

FIGURE 9 WOOD PULP PRODUCTION BY REGION, 1982

SOURCE: STATISTICS CANADA CAT. 36-204.

II - 7. BASIC PAPER AND PAPERBOARD PRODUCTS BY CATEGORY AND REGION, 1950-1983

Year	Quebec			Ontario			British Columbia	Other provinces	Canada		
	Newsprint	Other paper and paperboard	Total	Newsprint	Other paper and paperboard	Total	Total paper and paperboard	Total paper and paperboard	Newsprint	Total paper and paperboard	**Total**
						1 000 t					
1950	2 510	499	3 009	1 125	602	1 727	452	993	4 826	1 355	**6 180**
1960	2 863	680	3 543	1 459	855	2 313	1 043	1 195	6 068	2 027	**8 095**
1970	3 766	1 298	5 064	1 686	1 198	2 883	1 675	1 631	7 996	3 256	**11 252**
1971	3 609	1 348	4 957	1 609	1 220	2 830	1 826	1 545	7 733	3 428	**11 161**
1972	3 793	1 529	5 322	1 625	1 310	2 935	1 834	1 791	8 079	3 803	**11 882**
1973	3 671	1 559	5 230	1 769	1 464	3 233	2 029	2 093	8 357	4 226	**12 583**
1974	4 079	1 657	5 736	1 778	1 626	3 404	1 952	2 128	8 710	4 508	**13 219**
1975	3 529	1 236	4 765	1 140	959	2 099	1 477	1 725	7 010	3 056	**10 066**
1976	3 931	1 447	5 378	1 411	1 181	2 592	1 977	1 844	8 063	3 728	**11 791**
1977	3 726	1 560	5 286	1 610	1 476	3 086	1 952	1 813	8 066	4 070	**12 136**
1978	4 124	1 830	5 954	1 663	1 654	3 317	2 137	1 967	8 739	4 637	**13 376**
1979	4 075	1 996	6 071	1 743	1 810	3 553	2 154	1 863	8 642	4 999	**13 641**
1980	3 800	1 853	5 653	1 734	1 788	3 522	2 147	2 063	8 368	5 017	**13 385**
1981	4 452	1 880	6 332	1 742	1 820	3 562	1 926	2 136	8 933	5 023	**13 956**
1982	3 910	1 792	5 702	1 416	1 737	3 153	1 858	1 764	7 785	4 692	**12 477**
1983*	..	..	6 049	..	..	3 388	2 164	1 870	8 140	5 331	**13 471**

* Canadian Pulp and Paper Association estimates.

Source: Statistics Canada Cat. No. 36-204 and Canadian Pulp and Paper Association Reference Tables 1984.

PAPER AND PAPERBOARD

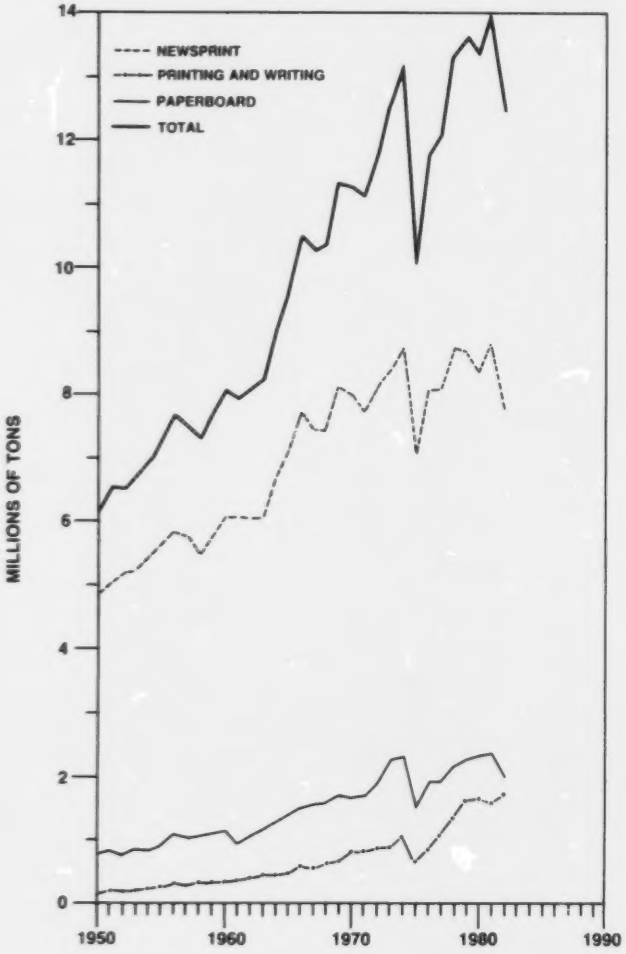

FIGURE 10 BASIC PAPER AND PAPERBOARD PRODUCTION IN CANADA, 1950-1982

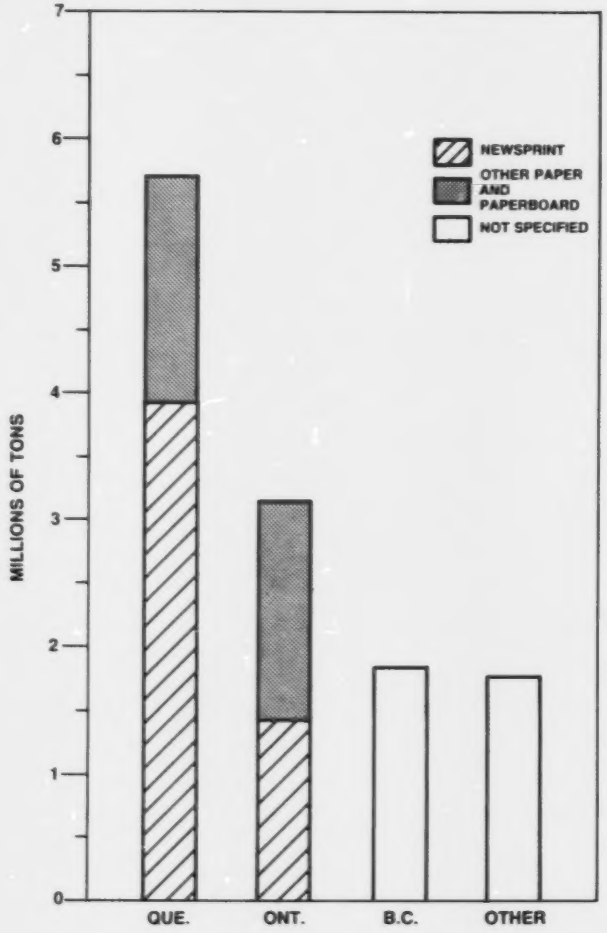

FIGURE 11 BASIC PAPER AND PAPERBOARD PRODUCTION BY REGION, 1982

SOURCE: STATISTICS CANADA CAT. 36-204

II - 8. BASIC PAPER AND PAPERBOARD PRODUCTION BY KIND, 1950-1983

Year	News-paper	Book and writing	Tissue and sanitary	Wrapping and packaging	Building paper	Paper-board	Total
				1 000 t			
1950	4 825	194	79	202	83	796	6 180
1960	6 068	366	135	292	75	1 159	8 095
1970	7 996	821	218	438	101	1 678	11 252
1971	7 733	844	263	490	133	1 698	11 161
1972	8 079	881	283	542	156	1 941	11 882
1973	8 357	892	294	610	149	2 282	12 583
1974	8 710	1 056	327	643	143	2 338	13 219
1975	7 010	679	258	431	146	1 542	10 066
1976	8 063	842	304	526	149	1 908	11 791
1977	8 066	1 116	311	556	143	1 944	12 136
1978	8 739	1 377	331	628	129	2 171	13 376
1979	8 642	1 606	362	617	125	2 290	13 641
1980	8 368	1 636	379	544	138	2 319	13 385
1981	8 933	1 599	394	523	118	2 388	13 956
1982	7 785	1 721	383	466	124	1 998	12 477
1983*	8 140	2 009	393	485	141	2 303	13 471

* Canadian Pulp and Paper Association estimates.

Source: Statistics Canada Cat. No. 36-204 and Canadian Pulp and Paper Association Reference Tables 1984.

II - 9. INDUSTRIAL ROUNDWOOD PRODUCTION AND FOREST INDUSTRY VALUE ADDED, 1970-1982

Year	Industrial roundwood production	Value added, manufacturing activity				Value added, total activity			
		Logging	Wood industries	Paper and allied industries	Total forest industries	Logging	Wood industries	Paper and allied industries	Total forest industries
	1 000 m^3	$000 000							
1970	117 324	683	790	1 781	**3 254**	694	802	1 817	**3 313**
1971	117 991	686	1 003	1 772	**3 461**	698	1 017	1 804	**3 519**
1972	120 748	814	1 397	1 928	**4 139**	829	1 422	1 962	**4 213**
1973	140 343	1 089	1 947	2 439	**5 475**	1 109	1 977	2 476	**5 562**
1974	134 416	1 221	1 708	3 888	**6 817**	1 244	1 748	3 945	**6 937**
1975	111 497	1 098	1 655	3 398	**6 151**	1 126	1 690	3 470	**6 286**
1976	135 227	1 300	2 207	3 774	**7 281**	1 348	2 236	3 844	**7 428**
1977	141 580	1 400	2 726	4 004	**8 130**	1 440	2 762	4 032	**8 234**
1978	151 712	1 564	3 507	4 539	**9 610**	1 647	3 550	4 565	**9 762**
1979	157 251	1 822	3 965	5 733	**11 520**	2 053	4 021	5 756	**11 830**
1980	150 649	1 927	3 399	6 737	**12 063**	2 049	3 466	6 770	**12 285**
1981	139 084	1 857	3 379	6 944	**12 180**	1 883	3 447	6 965	**12 295**
1982	121 343	1 616	2 663	6 068	**10 347**	1 650	2 708	6 080	**10 438**

Source: Statistics Canada Cat. No. 25-201 and 25-202.

II - 10. INDUSTRIAL ROUNDWOOD PRODUCTION AND FOREST INDUSTRY VALUE ADDED BY PROVINCE, 1982

Province or territory	Industrial roundwood production	Value added, manufacturing activity					Value added, total activity				
		Logging	Wood industries	Paper and allied industries	Total forest industries		Logging	Wood industries	Paper and allied industries	Total forest industries	
	1 000 m^3	$000 000				%	$000 000				%
Nfld.	1 892	54	6	x	x	x	55	6	x	x	x
P.E.I.	125	—	2	x	x	x	--	2	x	x	x
N.S.	2 738	25	32	168	**225**	2.2	26	34	163	**223**	2.1
N.B.	6 079	83	58	211	**352**	3.4	83	58	224	**365**	3.5
Atlantic provinces	10 834	162	98	x	x	x	164	100	x	x	x
Quebec	26 896	311	631	2 175	**3 428**	31.1	318	643	2 176	**3 137**	30.1
Ontario	17 969	283	518	1 915	**2 716**	26.2	288	526	1 939	**2 753**	26.4
Man.	1 374	14	46	117	**177**	1.7	14	48	118	**180**	1.7
Sask.	2 402	24	23	x	x	x	26	24	x	x	x
Alta.	5 581	35	145	199	**379**	3.7	35	158	196	**389**	3.7
Prairies	9 357	73	214	x	x	x	76	229	x	x	x
B.C.	56 231	787	1 203	1 069	**3 059**	29.6	805	1 211	1 054	**3 070**	29.4
Yukon and N.W.T.	56	-	-	-	—	--	--	--	-	—	--
Total	**121 343**	**1 616**	**2 663**	**6 068**	**10 347**	**100.0**	**1 650**	**2 708**	**6 080**	**10 438**	**100.0**

Source: Statistics Canada Cat. No. 25-201 and 25-202.

II - 11. SHIPMENTS OF ROUNDWOOD BY PROVINCE, 1970-1982

Year	Nova Scotia	New Brunswick	Quebec	Ontario	British Columbia	Other provinces	Total Canada
A. Quantity (1 000 m^3)							
1970	1 899	7 337	24 640	14 684	62 214	5 782	**116 556**
1971	1 941	7 429	22 290	13 672	62 738	4 983	**113 053**
1972	2 089	7 002	22 599	15 704	63 477	5 946	**116 817**
1973	2 553	9 005	21 868	15 731	72 470	7 128	**128 755**
1974	2 892	9 124	23 400	16 438	63 984	8 523	**124 361**
1975	2 236	7 094	21 451	11 583	48 734	7 400	**98 498**
1976	2 122	8 129	20 044	12 983	67 395	7 187	**117 860**
1977	2 363	7 717	19 850	14 802	67 477	6 386	**118 595**
1978	2 525	8 464	19 783	15 877	70 665	7 371	**124 685**
1979	2 834	8 928	22 139	16 248	50 839	7 992	**108 980**
1980	2 908	8 525	19 443	16 743	53 130	6 978	**107 727**
1981	2 929	8 797	21 967	16 855	45 482	8 023	**104 053**
1982	2 767	5 984	17 506	15 828	36 541	7 761	**86 387**
B. Value ($000 000)							
1970	17	73	307	184	713	61	**1 356**
1971	19	81	280	178	754	54	**1 366**
1972	21	79	290	205	879	70	**1 545**
1973	28	113	319	222	1 263	94	**2 038**
1974	39	131	394	281	1 214	132	**2 191**
1975	36	114	433	243	950	137	**1 915**
1976	36	143	448	307	1 475	149	**2 558**
1977	46	144	480	373	1 589	136	**2 769**
1978	50	165	511	428	1 891	163	**3 207**
1979	56	188	586	483	1 676	187	**3 175**
1980	61	200	553	527	1 801	187	**3 329**
1981	67	222	683	587	1 479	243	**3 280**
1982	56	165	599	540	1 302	241	**2 902**

Source: Statistics Canada Cat. No. 25-201.

11 - 12. SHIPMENTS OF SOFTWOOD LUMBER BY SPECIES, 1970-1982

Year	Spruce	Hemlock	Douglas fir	Cedar	Jack and Lodgepole pine	White pine	Ponderosa red pine	Balsam fir	Yellow cypress	Other	Total softwoods	Total softwoods and hardwoods
A. Quantity (1 000 m^3)												
1970	10 482	4 687	3 943	1 957	1 774	493	96	481	45	841	**24 799**	**25 857**
1971	12 978	5 468	4 092	2 318	2 185	568	53	517	19	591	**28 789**	**29 810**
1972	15 758	5 551	4 034	2 331	2 571	624	68	562	55	416	**31 970**	**33 167**
1973	16 518	6 072	3 707	2 376	3 028	620	83	416	94	417	**33 331**	**34 691**
1974	15 520	5 135	3 107	2 131	2 761	553	124	315	76	147	**29 869**	**30 999**
1975	13 701	3 549	2 510	1 945	2 409	423	77	263	114	122	**25 113**	**25 917**
1976	17 370	5 625	3 214	2 592	2 991	504	101	204	142	142	**32 885**	**33 693**
1977	20 700	6 870	3 187	2 535	3 737	541	82	304	92	187	**38 235**	**39 014**
1978	21 857	7 093	3 281	2 709	4 818	688	99	337	148	107	**41 137**	**41 980**
1979	22 812	6 371	3 535	2 564	5 168	642	86	581	119	131	**42 009**	**42 948**
1980	21 654	6 034	2 912	2 594	4 743	570	96	635	104	164	**39 515**	**40 348**
1981	21 581	5 091	2 580	2 722	4 759	572	129	779	142	83	**38 438**	**39 180**
1982	19 726	4 402	2 237	2 474	3 916	535	283	772	140	58	**34 543**	**35 078**
B. Value ($000 000)												
1970	333	168	146	92	54	26	4	17	3	27	**870**	**925**
1971	463	206	173	110	77	30	3	19	2	19	**1 102**	**1 159**
1972	735	259	205	142	120	38	4	26	-	22	**1 551**	**1 632**
1973	985	402	247	207	168	49	6	27	15	21	**2 127**	**2 227**
1974	823	335	203	191	134	48	8	20	15	8	**1 785**	**1 878**
1975	694	216	150	158	115	36	5	16	9	9	**1 408**	**1 473**
1976	1 007	385	219	272	162	45	9	13	13	9	**2 134**	**2 203**
1977	1 381	552	263	332	243	54	7	23	18	16	**2 889**	**2 960**
1978	1 810	663	319	436	394	81	10	30	24	9	**3 776**	**3 863**
1979	2 123	777	437	542	468	93	11	55	32	12	**4 551**	**4 667**
1980	1 831	742	322	420	383	83	11	58	28	16	**3 894**	**4 005**
1981	1 749	532	264	412	359	84	15	67	31	8	**3 521**	**3 623**
1982	1 475	478	207	388	281	77	26	71	25	5	**3 031**	**3 104**

Source: Statistics Canada Cat. No. 35-204.

11 - 13. SHIPMENTS OF HARDWOOD LUMBER, 1970-1982

Year	Maple	Yellow birch	White birch	Poplar, aspen and cottonwood	Elm	Basswood	Beech	Ash	Oak	Other*	Total hardwoods	Total softwoods and hardwoods
A. Quantity (1 000 m^3)												
1970	391	270	33	27	41	37	12	7	12	229	1 059	25 857
1971	403	283	23	46	33	33	-	9	14	210	1 021	29 810
1972	508	305	29	86	40	37	24	-	17	151	1 197	33 167
1973	519	315	45	148	32	47	31	12	21	189	1 359	34 691
1974	505	246	20	108	29	37	39	15	21	111	1 131	30 999
1975	364	219	9	39	18	24	16	9	12	93	803	25 917
1976	353	225	7	39	16	27	15	9	14	105	810	33 693
1977	325	208	20	41	7	25	14	10	18	111	779	39 014
1978	343	231	19	48	9	32	17	10	23	111	843	41 980
1979	407	197	26	65	9	32	19	13	39	132	939	42 948
1980	331	172	29	67	7	28	19	13	40	127	833	40 348
1981	307	159	21	54	6	30	13	9	37	106	742	39 180
1982	199	97	18	87	2	23	12	7	40	50	535	35 078
B. Value ($000 000)												
1970	23	15	1	1	2	2	-	-	1	11	56	925
1971	26	16	1	1	2	2	-	1	1	7	57	1 159
1972	39	22	2	3	3	2	1	-	1	8	81	1 632
1973	43	26	3	7	2	3	2	1	2	11	100	2 227
1974	43	22	1	5	2	3	3	1	2	9	92	1 878
1975	29	19	1	2	1	2	1	1	1	8	65	1 473
1976	30	21	1	2	1	3	1	1	2	8	69	2 203
1977	30	20	2	3	1	3	1	1	2	9	71	2 960
1978	36	25	2	3	1	4	1	1	3	10	87	3 863
1979	51	26	3	6	1	4	2	2	6	16	117	4 667
1980	43	24	4	6	1	4	2	2	9	15	110	4 005
1981	42	22	3	5	1	4	1	1	8	15	102	3 623
1982	26	14	2	9	1	4	1	1	8	6	72	3 104

* Including red alder in some cases.

Source: Statistics Canada Cat. No. 35-204.

11 - 14. SHIPMENTS OF WOOD PULP, PAPER, AND PAPERBOARD, 1960-1982

Year	Wood pulp	Paper and paperboard				
		Newsprint	Book and writing paper	Paperboard	Other paper and paperboard*	Total paper and paperboard
A. Quantity (1000 t)						
1960	2 798	6 068	365	1 158	504	8 095
1970	6 046	7 951	798	1 600	735	11 084
1971	5 823	7 639	822	1 646	724	10 831
1972	6 698	8 130	863	1 853	512	11 358
1973	7 200	8 373	891	2 062	888	12 214
1974	7 603	8 761	1 032	2 142	917	12 852
1975	5 650	7 046	680	1 504	662	9 892
1976	6 769	7 953	818	1 791	779	11 341
1977	7 066	8 111	1 085	1 874	810	11 880
1978	8 021	8 773	1 352	2 145	897	13 167
1979	8 089	8 667	1 573	2 208	885	13 333
1980	8 165	8 419	1 617	2 267	837	13 140
1981	7 836	8 836	1 582	2 305	796	13 519
1982	7 012	7 740	1 684	1 926	712	12 062
B. Value ($000 000)						
1960	369	783	107	166	111	1 167
1970	913	1 107	238	269	143	1 757
1971	878	1 083	242	268	159	1 752
1972	976	1 177	262	313	173	1 925
1973	1 301	1 339	321	378	214	2 252
1974	2 205	1 855	496	550	325	3 226
1975	1 983	1 847	346	412	256	2 861
1976	2 255	2 180	404	503	296	3 383
1977	2 271	2 570	559	519	301	3 949
1978	2 462	3 004	729	615	382	4 730
1979	3 288	3 336	974	733	548	5 591
1980	4 141	3 723	1 133	856	493	6 205
1981	4 005	4 386	1 205	959	515	7 065
1982	3 384	4 057	1 337	850	496	6 740

* Excluding building boards.

Source: Statistics Canada Cat. No. 36-204.

II - 15. SHIPMENTS OF SELECTED WOOD-BASED PANEL PRODUCTS, 1950-1983

Year	Plywood		Particleboard*		
	Softwood	Hardwood	Type I	Type II	Total
			1 000 m^3		
1950	258	57	..	..	..
1960	917	152	..	..	..
1970	1 664	191	..	..	257
1971	1 856	209	..	..	378
1972	1 995	226	..	..	475
1973	2 187	234	..	..	565
1974	1 815	188	..	..	510
1975	1 782	202	..	..	563
1976	2 170	215	285	473	758
1977	2 393	203	384	513	897
1978	2 628	206	457	617	1 074
1979	2 386**	...	528	704	1 232
1980	2 405**	...	577	724	1 301
1981	2 110**	...	666	697	1 363
1982	1 719**	...	536	574	1 110
1983	2 057**	...	851	707	1 558

* Type I. Made with a highly waterproof resin binder (usually phenol-formaldehyde) suitable for applications of a structural nature and also for many applications in which the panels are exposed directly to the weather.
Type II. Made with a water-resistant adhesive (usually urea formaldehyde) for applications in which the special properties of type I board are not required.

** In 1979 the Statistics Canada survey changed to include all construction-type plywood. The figures shown exclude poplar in order to maintain a comparable series.

Source: Statistics Canada Cat. No. 35-001 and 36-003.

SECTION III

COMMODITY TRADE

III - 1. CANADIAN EXPORTS BY COMMODITY GROUP, 1970-1983

Year	Forest products						Farm products*	Energy materials**	Chemicals and fertilizers	Metals and minerals†	Other manufacturers	Re-exports	Total
	Softwood lumber	Wood-pulp	Newsprint	Other paper and paperboard	Other products	Total							
							$000 000						
1970	638	785	1 110	155	267	**2 955**	1 868	919	524	4 035	6 100	419	**16 820**
1971	799	798	1 084	161	270	**3 112**	2 112	1 173	544	3 602	6 854	423	**17 820**
1972	1 128	830	1 158	207	323	**3 646**	2 355	1 489	854	3 669	7 658	479	**20 150**
1973	1 559	1 082	1 288	269	380	**4 578**	3 157	2 108	700	4 760	9 535	583	**25 421**
1974	1 254	1 889	1 726	398	359	**5 626**	3 870	4 407	985	5 983	10 804	767	**32 442**
1975	949	1 834	1 746	286	312	**5 127**	4 147	4 742	1 030	5 550	11 952	780	**33 328**
1976	1 611	2 186	2 003	340	435	**6 575**	4 295	4 626	1 385	6 553	14 216	825	**38 475**
1977	2 339	2 158	2 382	428	620	**7 927**	4 608	4 806	1 739	7 526	17 078	870	**44 554**
1978	3 158	2 181	2 886	573	831	**9 629**	5 302	4 994	2 351	8 626	21 358	923	**53 183**
1979	3 821	3 083	3 222	763	1 001	**11 890**	6 314	6 858	3 322	11 048	24 885	1 324	**65 641**
1980	3 265	3 873	3 684	947	1 050	**12 819**	8 263	8 590	4 056	14 512	26 206	1 713	**76 159**
1981	2 913	3 819	4 326	891	1 054	**13 003**	9 741	9 145	4 614	14 320	30 513	2 475	**83 811**
1982	2 847	3 221	4 086	922	1 057	**12 133**	10 222	9 872	4 035	12 260	33 303	2 705	**84 530**
1983	3 900	3 058	4 005	1 030	1 335	**13 328**	10 414	9 956	4 337	12 158	38 313	2 458	**90 964**

* Farm products: Food, feed, and beverages, including live animals and tobacco.

** Energy materials: coal, other crude bitumin substances, coal and coke briquettes, natural gas, and electricity.

† Metals and minerals: metal ores, concentrates and scrap, iron and steel, nonferrous metal, metal-fabricated basic products, other nonmetallic minerals, asbestos unmanufactured, and other nonmetallic minerals.

Source: Statistics Canada Cat. No. 65-202.

SHARE OF EXPORTS AND TRADE BALANCE

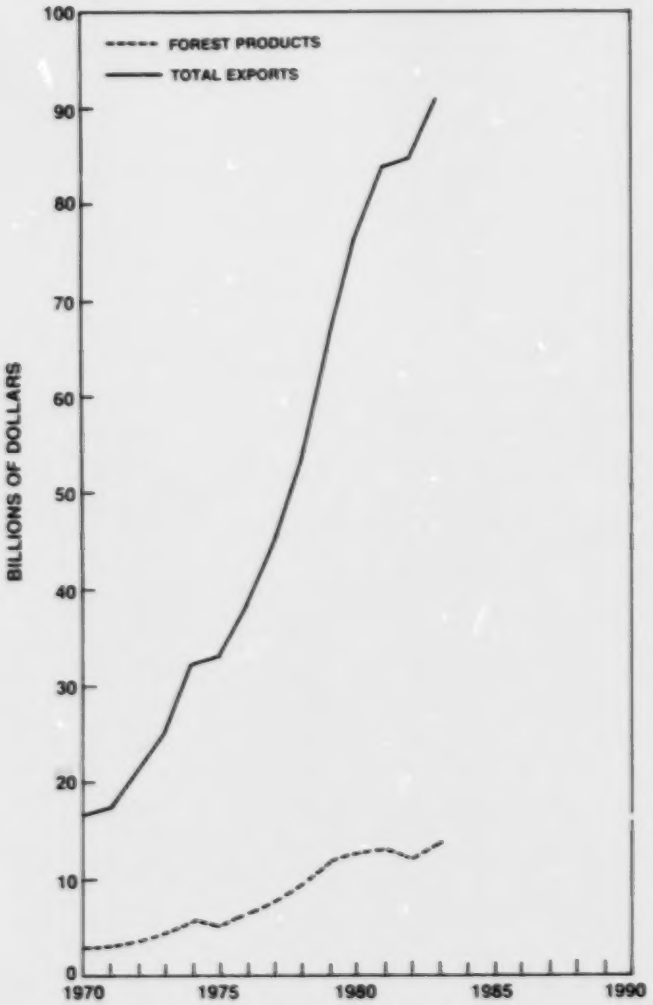

FIGURE 12 FOREST PRODUCTS SHARE OF CANADIAN EXPORTS, 1970-1983.

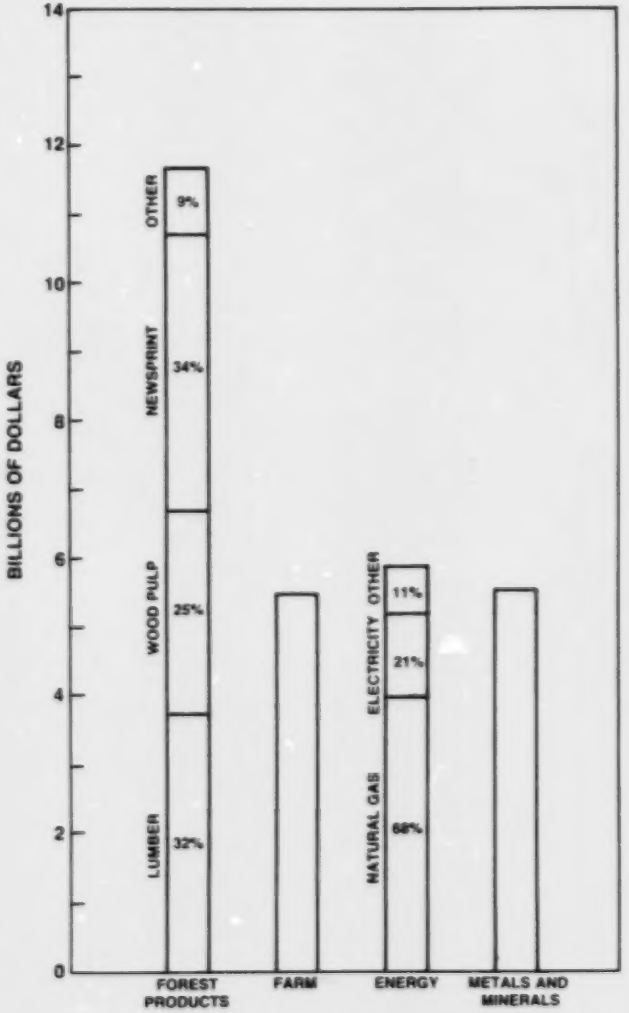

FIGURE 13 CONTRIBUTION TO NET TRADE BALANCE BY COMMODITY GROUP, 1983.

SOURCE: STATISTICS CANADA, CAT. 65-202, 65-203

III - 2. EXPORTS OF CANADIAN FOREST PRODUCTS BY PRINCIPAL TRADE AREAS AND BY REGION OF LADING, 1983

Trade areas/ region of lading	Softwood lumber	Wood-pulp	Newsprint	Other	Total	%
			$000 000			
United States	2 987	1 610	3 284	1 722	9 603	72
Atlantic provinces	39	289	247	46	621	
Quebec	408	201	1 680	462	2 752	
Ontario	579	481	844	693	2 597	
Prairies	168	263	30	39	500	
B.C.	1 793	376	483	481	3 133	
United Kingdom	179	115	274	129	697	5
Atlantic provinces	15	32	107	1	155	
Quebec	21	17	162	18	218	
Ontario	2	8	--	16	26	
Prairies	1	1	-	2	4	
B.C.	140	57	6	92	294	
Other EEC countries	112	617	70	139	938	7
Atlantic provinces	5	107	48	4	165	
Quebec	8	42	19	24	93	
Ontario	--	14	--	24	38	
Prairies	--	19	-	--	19	
B.C.	98	435	3	87	623	
Japan	342	336	10	164	852	6
Atlantic provinces	-	40	3	1	44	
Quebec	-	4	2	2	9	
Ontario	--	3	--	1	4	
Prairies	--	15	-	--	16	
B.C.	342	274	4	160	779	
Middle East and North Africa	168	10	19	31	228	2
Atlantic provinces	3	6	17	8	33	
Quebec	65	1	2	9	78	
Ontario	2	-	-	6	8	
Prairies	1	-	-	1	2	
B.C.	97	3	--	7	108	
Other	112	368	349	181	1 010	8
Atlantic provinces	1	24	163	20	209	
Quebec	4	19	102	44	169	
Ontario	3	33	1	39	75	
Prairies	--	11	-	--	11	
B.C.	104	282	82	77	546	
World	3 900	3 058	4 005	2 365	13 328	100
Atlantic provinces	64	498	584	81	1 227	
Quebec	507	285	1 968	558	3 318	
Ontario	585	539	845	779	2 748	
Prairies	169	309	30	43	552	
B.C.	2 575	1 427	578	903	5 483	

Source: Statistics Canada Special Compilation.

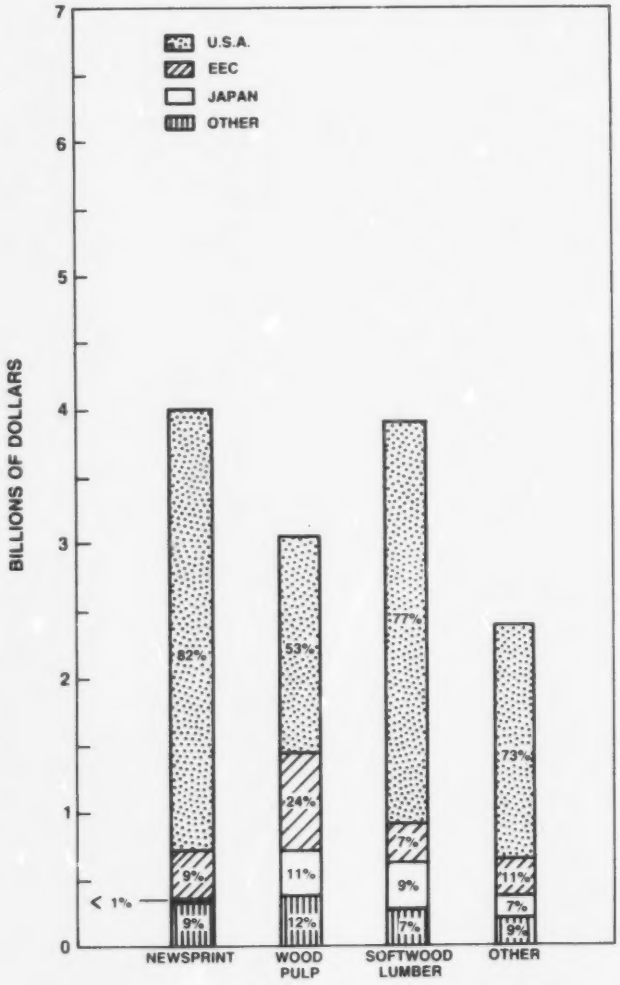

FIGURE 14 EXPORTS OF CANADIAN FOREST PRODUCTS BY COMMODITY GROUPS AND PRINCIPAL TRADE AREAS; 1983.

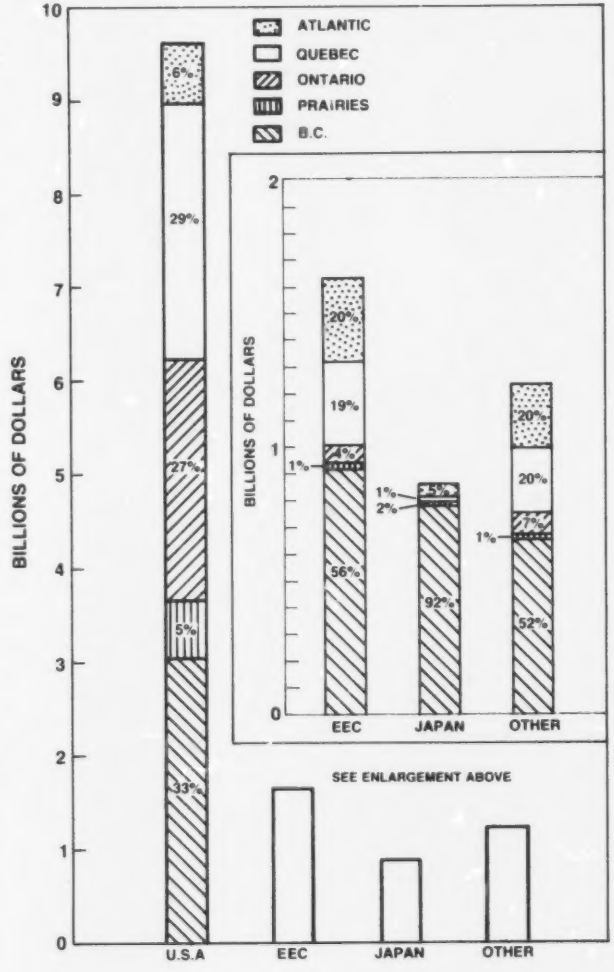

FIGURE 15 EXPORTS OF CANADIAN FOREST PRODUCTS BY PRINCIPAL TRADE AREAS AND REGION OF LADING, 1983.

SOURCE: STATISTICS CANADA CAT. 65-202 AND SPECIAL COMPILATION.

III - 3. VALUE OF EXPORTS* OF FOREST PRODUCTS BY PROVINCE OR REGION OF LADING, 1970-1983

Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon and N.W.T.	Canada
							$000 000							
1970	90	1	74	183	348	781	515	13	29	50	92	1 220	--	**2 955**
1971	76	--	80	199	355	779	498	16	32	53	101	1 379	--	**3 112**
1972	86	--	88	235	409	839	548	28	40	73	141	1 708	--	**3 646**
1973	119	1	116	300	536	906	662	36	51	92	179	2 294	--	**4 578**
1974	180	1	171	450	802	1 210	857	42	58	145	245	2 511	--	**5 626**
1975	160	1	178	435	774	1 197	747	38	56	167	261	2 148	--	**5 127**
1976	166	2	168	492	828	1 336	904	44	49	188	281	3 225	1	**6 575**
1977	198	1	201	545	945	1 604	1 264	56	55	220	331	3 780	2	**7 927**
1978	177	1	222	579	979	2 086	1 566	73	78	219	370	4 628	1	**9 629**
1979	229	5	264	674	1 172	2 601	1 956	85	91	289	465	5 696	--	**11 890**
1980	256	2	318	880	1 456	2 937	2 228	90	123	316	529	5 669	--	**12 819**
1981	325	1	356	954	1 636	3 404	2 513	124	141	330	595	4 855	1	**13 003**
1982	316	1	282	718	1 317	3 347	2 385	105	97	294	496	4 589	1	**12 133**
1983	243	1	230	753	1 227	3 318	2 748	104	119	329	552	5 483	--	**13 328**

* Excludes re-exports.

Source: Statistics Canada Special Compilation.

III - 4. VOLUME OF EXPORTS* OF FOREST PRODUCTS BY PROVINCE OR REGION OF LADING, 1963

Products	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.**	Canada
A. Primary wood products													
Roundwood (1 000 m^3)	46	9	63	258	376	138	17	5	2	2	8	2 194	**2 734**
Logs and bolts (1 000 m^3)	--	4	--	88	92	22	4	--	2	2	3	2 178	**2 299**
Pulpwood (1 000 m^3)	46	4	63	171	284	116	13	5	-	-	5	17	**435**
Pulpwood chips (1 000t)	--	--	-	89	90	37	40	--	-	-	--	1 220	**1 387**
B. Wood fabricated materials													
Lumber (1 000 m^3)	1	1	59	482	543	4 404	5 262	408	184	1 169	1 761	21 964	**33 934**
Softwoods	--	--	2	9	11	93	98	12	--	--	13	11	**226**
Hardwoods	3	--	7	1 445	1 455	2 360	160	2	--	14	16	34 346	**38 338**
Shingle and shakes (1 000 m^2)													
Veneer (1 000 m^3)	-	-	-	--	--	2	19	-	-	-	-	107	**129**
Softwoods	-	-	--	2	2	131	182	-	-	--	--	4	**320**
Hardwoods													
Plywood (1 000 m^3)	-	-	1	--	1	4	2	-	-	-	-	391	**397**
Softwoods	-	-	--	--	--	11	25	--	-	-	--	1	**37**
Hardwoods	-	-	1	1	2	9	18	1	1	6	8	8	**45**
Other wood products (1 000 m^3)													
C. Wood pulp and paper products (1 000 t)	--	--	201	928	1 129	563	1 091	16	223	437	676	3 364	**6 823**
Wood pulp	519	--	224	429	1 173	3 505	1 571	61	--	--	62	1 166	**7 476**
Newsprint	1	--	--	-	1	214	371	--	--	--	--	44	**631**
Writing and printing	-	-	-	--	--	33	93	--	-	--	--	7	**134**
Tissue and sanitary paper	-	-	-	3	3	17	19	28	-	--	28	154	**221**
Wrapping and packaging	--	-	13	4	17	151	206	9	1	29	38	28	**439**
Building paper	-	--	1	98	99	133	66	-	-	--	--	218	**517**
Paperboard													

* Excluding re-exports

** Including Yukon.

Source: Statistics Canada Special Compilation.

III - 5. VALUE OF EXPORTS* OF FOREST PRODUCTS BY PROVINCE OR REGION OF LADING, 1983

Products	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.**	Canada
							$000						
A. Primary wood products													
Logs and bolts	1	75	8	2 110	2 194	3 282	566	6	18	61	85	137 749	143 877
Pulpwood	1 797	222	2 758	2 985	7 761	2 980	367	81	-	-	81	357	11 546
Pulpwood chips	4	8	---	4 791	4 803	2 106	3 676	13	-	-	13	78 745	89 344
Other	16	28	6 409	3 773	10 226	5 562	1 535	266	125	1 207	1 598	12 473	31 396
Total	**1 818**	**334**	**9 175**	**13 659**	**24 984**	**13 930**	**6 144**	**366**	**143**	**1 268**	**1 777**	**229 324**	**276 163**
B. Wood fabricated materials													
Lumber													
Softwoods	116	94	8 136	55 632	63 977	506 954	585 363	46 807	18 196	103 917	168 920	2 575 036	3 900 250
Hardwoods	4	19	479	1 749	2 251	32 761	30 977	1 206	18	37	1 262	1 572	68 824
Shingles and shakes	11	-	22	5 972	6 005	10 231	576	12	---	101	114	215 200	232 126
Veneer													
Softwoods	-	-	-	10	10	474	1 701	-	-	-	-	13 743	15 929
Hardwoods	-	-	87	775	862	42 536	55 240	-	-	26	26	936	99 600
Plywoods													
Softwoods	-	-	321	8	329	1 359	515	-	-	-	-	119 479	121 681
Hardwoods	-	-	46	5	50	7 509	11 832	2	-	-	2	378	19 771
Other wood products	58	9	910	5 005	5 983	109 699	161 554	3 561	2 366	6 365	12 293	122 390	411 918
Total	**189**	**122**	**10 001**	**69 156**	**79 467**	**711 523**	**847 759**	**51 588**	**20 580**	**110 446**	**182 615**	**3 048 734**	**4 870 098**

III - 5. VALUE OF EXPORTS* OF FOREST PRODUCTS BY PROVINCE OR REGION OF LADING, 1983

Products	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.**	Canada
							$000						
C. Wood pulp and paper products													
Total wood pulp	**22**	**12**	**87 943**	**409 686**	**497 663**	**284 882**	**538 503**	**5 681**	**96 545**	**207 111**	**309 338**	**1 427 213**	**3 057 596**
Newsprint	240 662	111	115 488	227 976	584 238	1 967 850	845 077	30 213	45	159	30 418	577 513	4 005 096
Book and writing	607	86	43	-	736	152 592	228 147	29	11	91	130	29 767	411 372
Tissue and sanitary	-	-	23	368	390	30 497	83 092	48	7	-	55	6 625	120 659
Wrapping and packaging	-	-	-	1 347	1 347	14 159	22 892	11 012	-	277	11 288	68 686	118 371
Building paper and board	1	-	5 488	1 273	6 762	61 918	111 449	2 364	164	8 798	11 325	11 487	202 941
Paperboard	-	13	558	28 580	29 151	48 951	26 738	-	-	10	10	71 937	176 788
Total paper and paperboard	241 269	210	121 600	259 544	622 624	2 275 966	1 317 394	43 666	226	9 335	53 227	766 014	5 035 228
Other paper and paperboard	100	4	1 589	595	2 288	31 669	38 071	2 628	1 444	656	4 728	11 816	88 572
Total paper products	**241 369**	**214**	**123 189**	**260 139**	**624 912**	**2 307 635**	**1 355 465**	**46 294**	**1 670**	**9 991**	**57 955**	**777 830**	**5 123 800**
Total wood pulp and paper products	**241 391**	**226**	**211 132**	**669 825**	**1 122 575**	**2 592 517**	**1 893 968**	**51 975**	**98 215**	**217 102**	**367 293**	**2 205 043**	**8 181 398**
Total forest products	**243 398**	**682**	**230 308**	**752 640**	**1 227 028**	**3 317 971**	**2 747 871**	**103 929**	**118 938**	**328 816**	**551 685**	**5 483 102**	**13 327 659**

* Excludes re-exports.
** Includes Yukon.

Source: Statistics Canada special tabulation.

III - 6. BALANCE OF TRADE BY MAJOR COMMODITY GROUPS, 1983

Commodity	Exports*	Imports	Net flow (+ out) (- in)
		$000 000	
Forest products			
Lumber	4 002	281	+ 3 721
Plywood, veneer, building boards	375	150	+ 225
Woodpulp	3 058	86	+ 2 971
Newsprint	4 005	--	+ 4 005
Other paper and paperboard	916	547	+ 369
Pulpwood	12	13	- 1
Pulpwood chips	89	6	+ 83
Other crude wood materials	176	102	+ 73
Other forest products	738	498	+ 241
	13 370	1 683	+11 687
Farm products, food, and beverages (including live animals)	10 478	5 002	+ 5 476
Crude materials, inedible			
Coal	1 232	840	+ 392
Crude petroleum	3 457	3 274	+ 183
Natural gas	3 958	--	+ 3 958
Metal ores, concentrates, and scrap	2 907	1 651	+ 1 256
Other materials (excluding wood)	2 542	1 232	+ 1 310
	14 096	6 997	+ 7 099
Fabricated products, inedible			
Textiles	243	1 479	- 1 236
Chemicals (including fertilizers)	4 429	4 392	+ 37
Iron and steel	1 669	1 175	+ 495
Nonferrous metals	5 458	2 049	+ 3 409
Electricity	1 228	2	+ 1 226
Other products (excluding wood and paper)	4 393	3 710	+ 683
	17 421	12 808	+ 4 613
End products, inedible			
Machinery	3 166	5 920	- 2 754
Transportation and automotive	24 790	23 405	+ 1 385
Other products (including household and personal goods)	7 409	18 791	-11 382
	35 365	48 115	-12 750
Total (including special trade transactions)	**90 964**	**75 587**	**+15 377**

* Including re-exports.

Source: Statistics Canada Cat. No. 65-202 and 65-203.

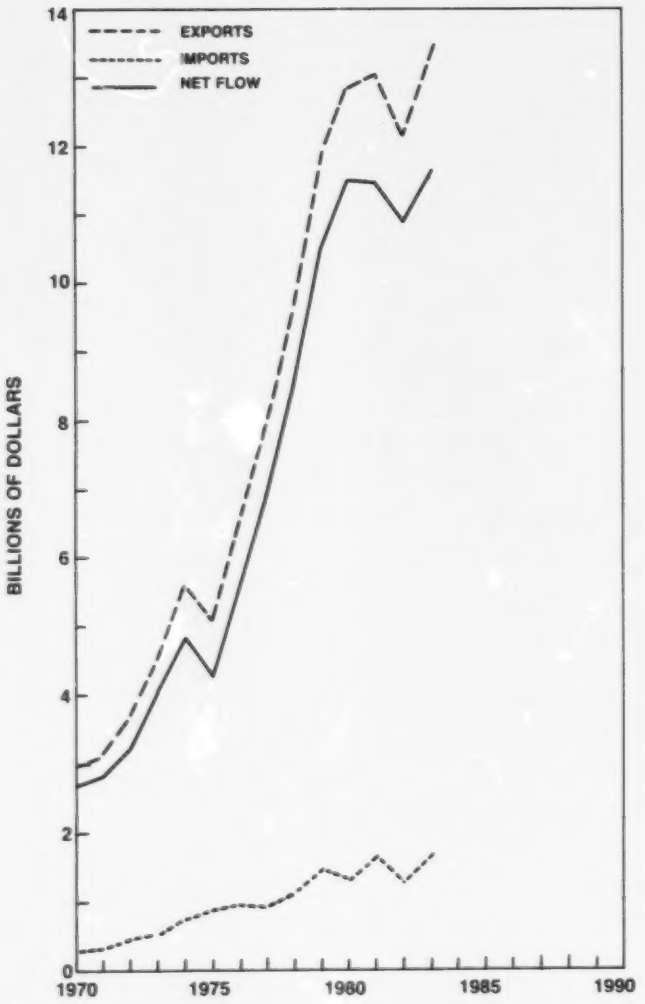

FIGURE 16 BALANCE OF TRADE OF CANADIAN FOREST PRODUCTS, 1970-1983.

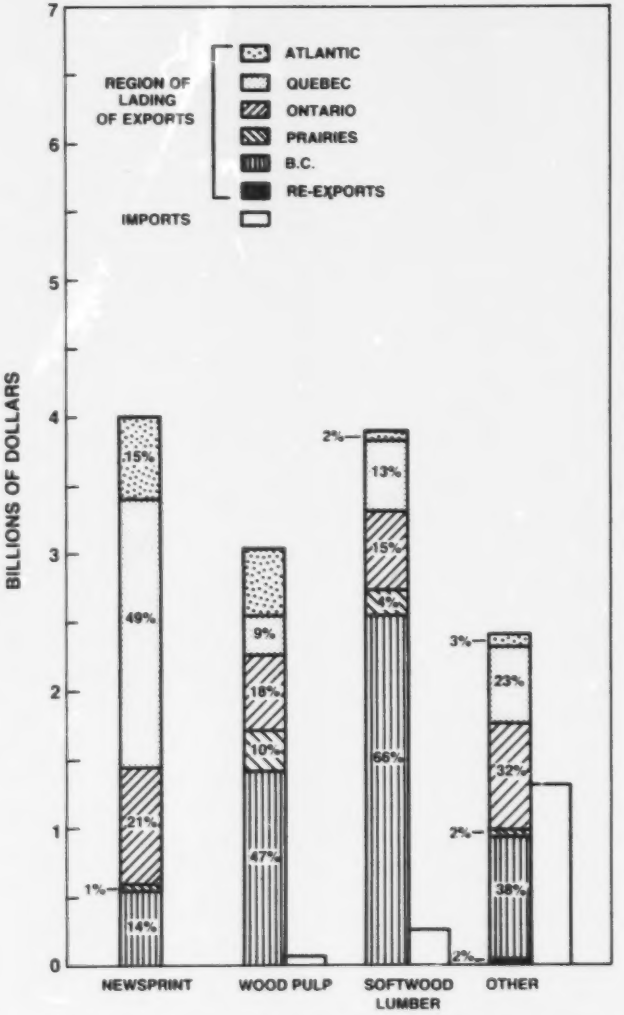

FIGURE 17 EXPORTS BY REGION OF LADING AND IMPORTS BY MAJOR FOREST PRODUCTS, 1983

SOURCE: STATISTICS CANADA CAT. 65-202, 65-203 AND SPECIAL COMPILATION

III - 7. BALANCE OF TRADE OF FOREST PRODUCTS BY COMMODITY GROUP (NET FLOW), 1970-1983

Year	Lumber	Plywood, veneer, and building boards	Wood-pulp	Newsprint	Other paper and paperboard*	Pulp-wood	Pulp-wood chips	Other crude wood materials	Other forest products	Total forest products	Total Canada
					$000 000						
1970	+ 626**	+ 44	+ 775	+1 110	+ 69	+24	+11	+13	+ 22	+ 2 694	+ 2 868
1971	+ 785	+ 32	+ 783	+1 084	+ 61	+16	+17	- 2**	+ 27	+ 2 803	+ 2 202
1972	+1 107	+ 37	+ 813	+1 158	+ 81	+ 9	+13	-27	+ 33	+ 3 224	+ 1 481
1973	+1 501	+ 43	+1 065	+1 288	+114	+ 8	+16	-31	- 14	+ 4 018	+ 2 096
1974	+1 175	- 33	+1 870	+1 726	+186	+ 5	+14	-28	- 74	+ 4 841	+ 720
1975	+ 865	- 57	+1 804	+1 746	+ 11	+ 2	+14	-20	- 99	+ 4 266	- 1 388
1976	+1 489	- 22	+2 153	+2 003	+ 10	+ 4	+22	-15	- 51	+ 5 593	+ 981
1977	+2 218	+ 58	+2 123	+2 382	+137	+ 1	+30	+ 8	+ 6	+ 6 963	+ 2 191
1978	+3 027	+136	+2 131	+2 886	+229	+ 0	+43	-16	+ 51	+ 8 487	+ 3 075
1979	+3 632	+162	+3 004	+3 222	+377	- 6	+48	-17	+ 48	+10 470	+ 2 770
1980	+3 133	+216	+3 794	+3 684	+493	+11	+89	+ 7	+ 77	+11 504	+ 6 885
1981	+2 753	+130	+3 736	+4 326	+314	+ 8	+95	+ 2	+ 61	+11 425	+ 4 329
1982	+2 777	+225	+3 133	+4 086	+400	- 7	+94	+46	+132	+10 886	+16 674
1983	+3 721	+225	+2 972	+4 005	+369	- 1	+83	+74	+240	+11 687	+15 377

* Excluding building boards.

** The + sign means surplus and the - sign means deficit.

Source: Statistics Canada Cat. No. 65-202 and 65-203.

III - 8. EXPORTS* AND IMPORTS OF FOREST PRODUCTS BY COMMODITY GROUPS, 1970-1983

Year	Lumber	Plywood veneer and building boards	Wood-pulp	Newsprint	Other paper and paperboard**	Pulp-wood	Pulp-wood chips	Other crude wood materials	Other forest products	**Total forest products**	**Total Canada**	Forest products (%)
						$000 000						
A. Exports*												
1970	664	85	785	1 110	143	27	11	40	93	**2 958**	**16 820**	17.6
1971	830	87	798	1 084	145	19	17	28	108	**3 116**	**17 820**	17.5
1972	1 174	123	830	1 158	181	14	13	20	137	**3 650**	**20 150**	18.1
1973	1 600	157	1 082	1 288	240	12	16	19	168	**4 582**	**25 421**	18.0
1974	1 292	131	1 889	1 726	375	13	14	36	155	**5 631**	**32 442**	17.4
1975	975	114	1 834	1 746	263	11	14	36	137	**5 130**	**33 328**	15.4
1976	1 653	126	2 186	2 003	318	12	22	40	225	**6 585**	**38 475**	17.1
1977	2 389	178	2 158	2 382	401	12	35	59	321	**7 935**	**44 554**	17.8
1978	3 230	263	2 181	2 886	524	14	49	53	434	**9 634**	**53 183**	18.1
1979	3 903	310	3 083	3 222	703	15	54	77	531	**11 898**	**65 641**	18.1
1980	3 368	332	3 873	3 684	854	26	91	89	525	**12 842**	**76 159**	16.9
1981	3 029	310	3 819	4 326	806	25	98	77	563	**13 053**	**83 811**	15.6
1982	2 954	314	3 221	4 086	829	8	98	120	558	**12 188**	**84 530**	14.4
1983	4 002	375	3 058	4 005	916	12	89	176	738	**13 370**	**90 964**	14.7
B. Imports												
1970	38	41	10	-	74	3	-	27	71	**264**	**13 952**	1.9
1971	45	55	15	-	84	3	-	30	81	**313**	**15 618**	2.0
1972	67	86	17	-	100	5	-	47	104	**426**	**18 669**	2.3
1973	99	114	17	-	126	4	-	50	154	**564**	**23 325**	2.4
1974	117	164	19	-	189	8	-	64	229	**790**	**31 722**	2.5
1975	110	171	30	-	252	9	-	56	236	**864**	**34 716**	2.5
1976	164	148	33	-	308	8	-	55	276	**992**	**37 494**	2.6
1977	171	120	35	-	264	11	5	51	315	**972**	**42 363**	2.3
1978	203	127	50	-	295	14	6	69	383	**1 147**	**50 108**	2.3
1979	271	148	79	-	326	21	6	94	483	**1 428**	**62 871**	2.3
1980	235	116	79	-	361	15	2	82	448	**1 338**	**69 274**	1.9
1981	276	180	83	-	492	17	3	75	502	**1 628**	**79 482**	2.0
1982	177	89	88	-	429	15	4	74	426	**1 302**	**67 856**	1.9
1983	281	150	86	-	547	13	6	102	498	**1 683**	**75 587**	2.2

* Including re-exports.

** Excluding building boards.

Source: Statistics Canada Cat. No. 65-202, 65-203.

SECTION IV

PRINCIPAL STATISTICS

IV - 1. FOREST INDUSTRIES BY SECTOR, 1982

Sector	Estab-lishments	MANUFACTURING ACTIVITY: Production and related workers: Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	TOTAL ACTIVITY: Total employees*: Number	Salaries and wages	Total value added
			1 000			$000 000				$000 000	
Logging	3 082	32 796	62 454	798	179	2 093	3 998	1 616	40 214	1 034	1 650
Wood industries	3 353	80 800	155 482	1 655	273	4 098	7 173	2 663	97 125	2 104	2 708
Paper and allied industries	773	91 824	189 567	2 286	1 444	7 371	14 784	6 068	122 763	3 282	6 080
Total forest industries (A)	**7 208**	**205 420**	**407 503**	**4 739**	**1 896**	**13 562**	**25 955**	**10 347**	**260 102**	**6 419**	**10 438**
Manufacturing industries	35 834	1 212 424	2 473 215	24 262	6 208	112 120	188 019	68 900	1 708 850	37 695	73 324
Logging and manufacturing industries (B)	**38 916**	**1 245 220**	**2 535 669**	**25 060**	**6 207**	**114 213**	**192 017**	**70 516**	**1 749 064**	**38 729**	**74 974**
Percentage A from B	18.5	16.5	16.1	18.9	30.5	11.9	13.5	14.7	14.9	16.6	13.9

* Excluding 2124 working owners and partners in the forest sector.

Source: Statistics Canada Cat. No. 25-201, 25-202, and 31-203.

STANDARD INDUSTRIAL CLASSIFICATION

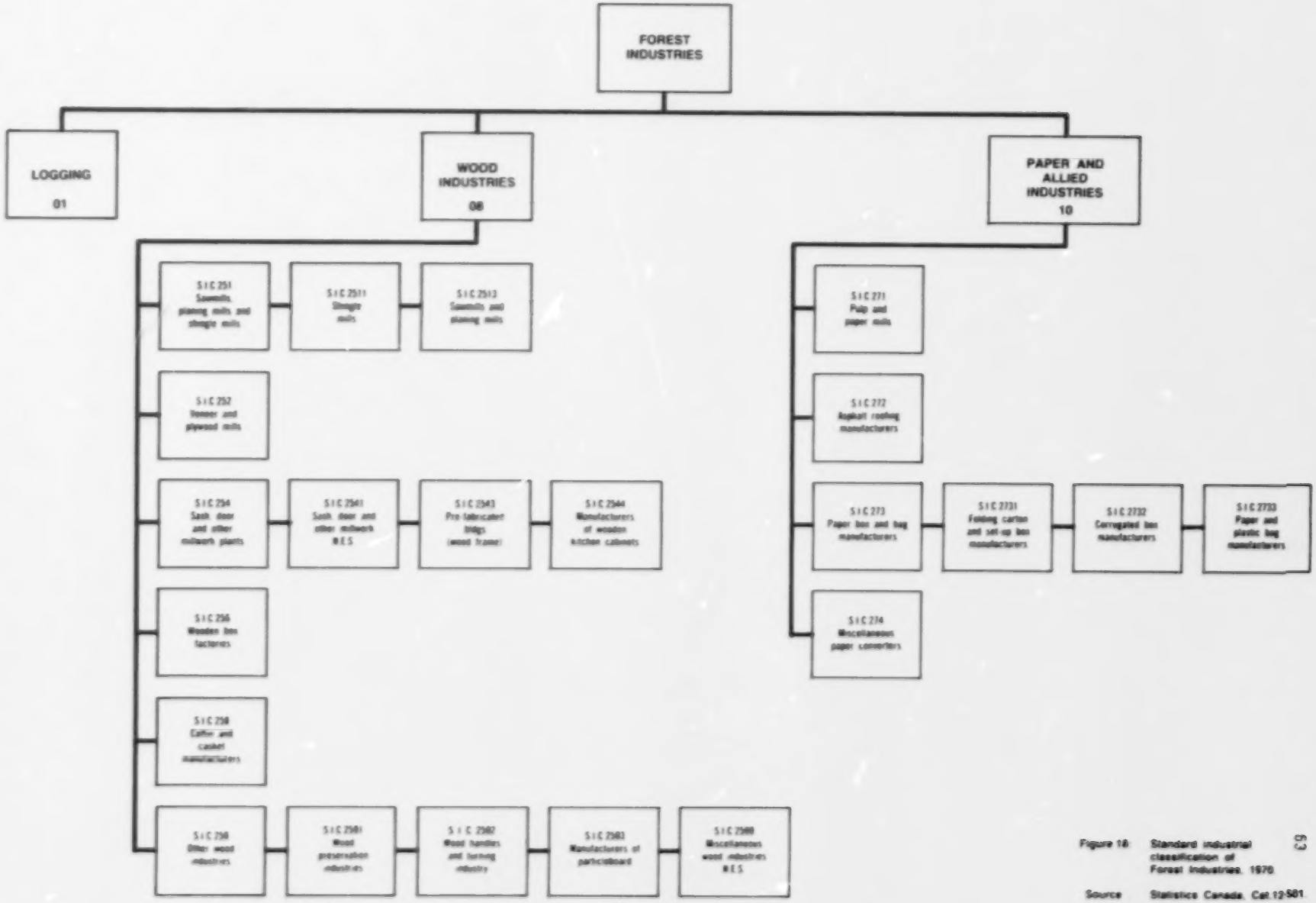
FOREST INDUSTRIES
LOGGING 01
WOOD INDUSTRIES 08
PAPER AND ALLIED INDUSTRIES 10
S I C 251 Sawmills, planing mills and shingle mills
S I C 2511 Shingle mills
S I C 2513 Sawmills and planing mills
S I C 252 Veneer and plywood mills
S I C 254 Sash door and other millwork plants
S I C 2541 Sash door and other millwork N E S
S I C 2543 Pre-fabricated bldgs (wood frame)
S I C 2544 Manufacturers of wooden kitchen cabinets
S I C 256 Wooden box factories
S I C 258 Coffin and casket manufacturers
S I C 259 Other wood industries
S I C 2581 Wood preservation industries
S I C 2582 Wood handles and turning industry
S I C 2583 Manufacturers of particleboard
S I C 2589 Miscellaneous wood industries N E S
S I C 271 Pulp and paper mills
S I C 272 Asphalt roofing manufacturers
S I C 273 Paper box and bag manufacturers
S I C 2731 Folding carton and set-up box manufacturers
S I C 2732 Corrugated box manufacturers
S I C 2733 Paper and plastic bag manufacturers
S I C 274 Miscellaneous paper converters

Figure 18 Standard industrial classification of Forest Industries, 1970

Source Statistics Canada, Cat 12-501

IV - 2. WOOD INDUSTRIES, 1982

Sector	S.I.C.**	Establishments	MANUFACTURING ACTIVITY: Production and related workers: Number	Person-hours paid: 1 000	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	TOTAL ACTIVITY: Total employees*: Number	Salaries and wages	Total value added
							$000 000				$000 000	
Sawmills, planing and shingle mills	251	1 331	46 013	88 727	1 051	190	2 646	4 460	1 523	54 905	1 313	1 527
Shingle mills	2511	108	1 302	2 401	29	3	46	87	39	1 421	33	41
Sawmills and planing mills	2513	1 223	44 711	86 326	1 022	188	2 600	4 373	1 489	53 484	1 280	1 486
Veneer and plywood mills	252	83	9 105	15 811	185	27	364	650	249	10 372	226	255
Sash, door, and other millwork	254	1 402	16 959	33 985	274	24	695	1 335	593	21 483	381	625
Wooden box factories	256	208	2 730	5 643	41	4	97	188	87	3 259	52	87
Coffin and casket industry	258	33	643	1 340	10	1	17	36	19	741	12	19
Miscellaneous wood industries	259	296	5 350	9 975	94	27	279	504	193	6 365	120	195
Wood preservation industries	2591	45	1 128	2 166	24	6	100	166	61	1 388	31	61
Manufacturers of particleboard	2593	22	1 845	3 309	36	17	100	188	65	2 205	47	65
Other	2592, 2599	229	2 377	4 500	34	4	79	150	67	2 772	42	69
Wood industries	...	**3 353**	**80 800**	**155 482**	**1 655**	**273**	**4 098**	**7 173**	**2 663**	**97 125**	**2 104**	**2 708**

* Excluding 868 working owners and partners.

** Standard Industrial Classification.

Source: Statistics Canada Cat. No. 25-202, 31-203, 35-204, 35-205, 35-206, 35-208, and 35-210.

IV - 3. PAPER AND ALLIED INDUSTRIES, 1982

Sector	S.I.C.**	Establishments	MANUFACTURING ACTIVITY						TOTAL ACTIVITY		
			Production and related workers						Total employees*		
			Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
				1 000			$000 000				$000 000	
Pulp and paper mills	271	142	62 486	129 549	1 725	1 369	4 865	10 650	4 513	82 892	2 436	4 493
Asphalt roofing manufacturers	272	16	768	1 562	15	7	162	271	102	1 269	26	107
Paper box and bag manufacturers	273	341	17 527	35 581	338	34	1 405	2 280	844	23 001	487	853
Miscellaneous paper converters	274	274	11 043	22 875	208	34	939	1 584	609	15 601	333	626
Paper and allied industries	...	**773**	**91 824**	**189 567**	**2 286**	**1 444**	**7 371**	**14 784**	**6 068**	**122 763**	**3 282**	**6 080**

* Excluding 19 working owners and partners.
** Standard Industrial Classification.

Source: Statistics Canada Cat. No. 36-204, 36-214, and 36-215.

IV - 4. FOREST INDUSTRIES SUMMARY*, 1965-1982

Year	Establishments	MANUFACTURING ACTIVITY							TOTAL ACTIVITY		
		Production and related workers							Total employees*		
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1965	7 363	216 375	475 944	1 046	215	2 855	5 555	2 530	262 469	1 349	2 581
1970	6 618	210 718	453 306	1 475	279	3 990	7 502	3 254	261 139	1 942	3 313
1971	6 247	208 632	445 919	1 592	318	4 220	7 978	3 461	258 839	2 090	3 519
1972	6 537	219 284	467 590	1 810	347	4 853	9 372	4 139	271 010	2 364	4 213
1973	6 844	237 514	500 889	2 155	398	6 163	11 821	5 475	292 324	2 793	5 562
1974	7 014	239 726	505 789	2 511	570	7 283	14 401	6 817	297 386	3 281	6 937
1975	6 330	222 915	446 718	2 489	562	6 574	13 110	6 151	278 681	3 336	6 286
1976	5 679	230 527	475 417	3 118	748	8 191	15 961	7 281	286 263	4 064	7 428
1977	5 320	229 348	471 405	3 455	901	8 912	17 888	8 130	282 568	4 482	8 234
1978	5 906	243 312	503 793	3 944	1 077	10 491	21 109	9 610	299 540	5 076	9 762
1979	6 784	249 993	517 679	4 416	1 244	12 964	25 317	11 520	307 580	5 680	11 830
1980	7 368	243 736	503 124	4 750	1 411	14 247	27 459	12 063	301 987	6 180	12 285
1981	7 428	233 790	473 013	5 011	1 703	14 841	28 601	12 180	291 996	6 624	12 295
1982	7 208	205 420	407 503	4 739	1 896	13 562	25 955	10 347	260 102	6 419	10 438

* Logging, wood industries, paper, and allied industries.
** Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-201 and 25-202.

VALUE OF SHIPMENTS AND TOTAL VALUE ADDED

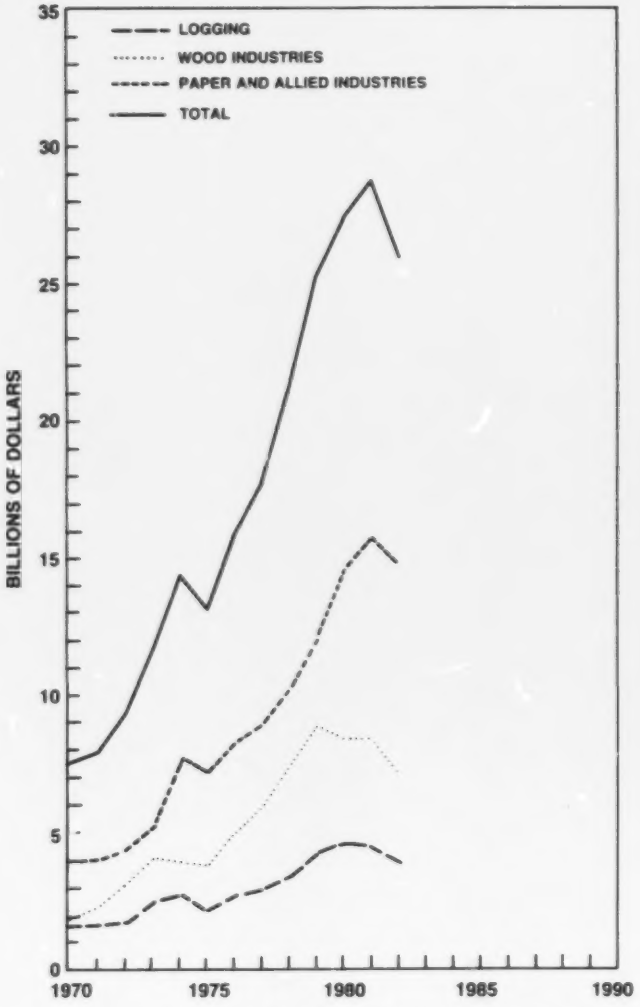

FIGURE 19 VALUE OF SHIPMENTS OF GOODS OF OWN MANUFACTURE IN THE FOREST INDUSTRIES BY SECTOR, 1970-1982.

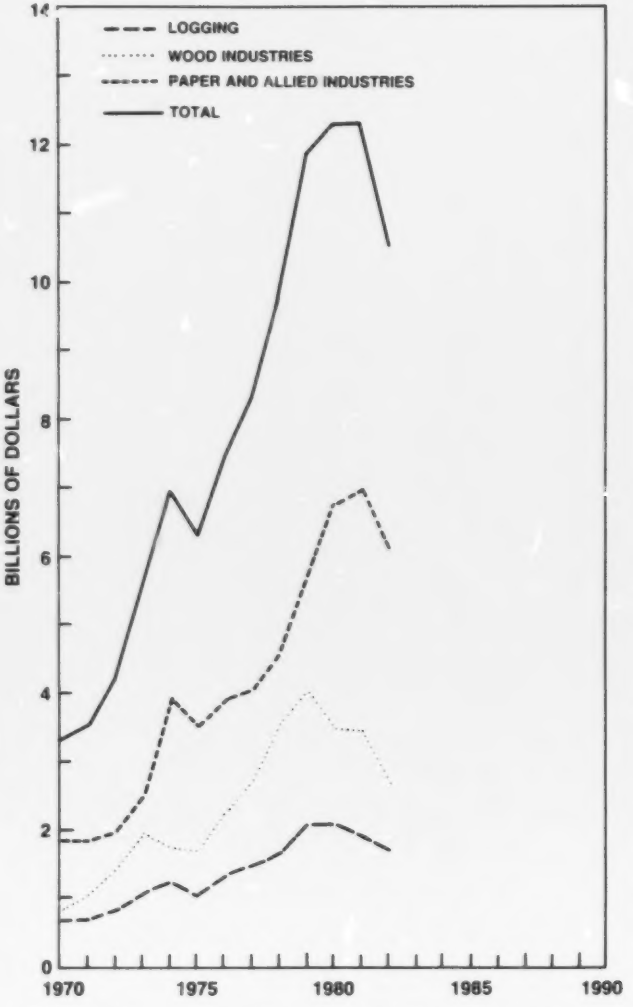

FIGURE 20 TOTAL VALUE ADDED IN THE FOREST INDUSTRIES BY SECTOR, 1970-1982.

SOURCE: STATISTICS CANADA, CAT. 25-201, 25-202

IV - 5. LOGGING PRINCIPAL STATISTICS BY PROVINCE, 1982

Province or territory	Establishments	MANUFACTURING ACTIVITY							TOTAL ACTIVITY		
		Production and related workers							Total employees*		
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
Nfld.	23	1 350	2 630	28	5	40	97	54	1 614	35	55
P.E.I.	6	12	13	--	--	--	--	--	12	--	--
N.S.	163	816	1 437	12	4	57	86	25	1 021	17	26
N.B.	195	2 644	4 928	45	12	120	220	83	3 188	58	83
Atlantic provinces	387	4 822	9 008	85	20	218	403	162	5 835	110	164
Que.	555	7 144	13 413	155	41	394	777	311	8 994	205	318
Ont.	418	5 683	11 370	150	33	346	679	283	7 079	194	288
Man.	36	339	636	7	1	25	41	14	449	10	14
Sask.	66	435	885	9	5	38	69	24	575	13	26
Alta.	90	685	1 307	17	4	53	95	35	853	23	35
Prairies	192	1 459	2 828	33	11	116	205	73	1 877	46	76
B.C.	1 530	13 688	25 835	376	74	1 020	1 933	787	16 429	480	805
Yukon and N.W.T.	-	-	-	-	-	-	-	-	-	-	-
Total	**3 082**	**32 796**	**62 454**	**798**	**179**	**2 093**	**3 998**	**1 616**	**40 214**	**1 034**	**1 650**

* Excluding 1237 working owners and partners.

Source: Statistics Canada Cat. No. 25-201.

IV - 6. WOOD INDUSTRIES BY PROVINCE, 1982

Province or territory	Establishments	MANUFACTURING ACTIVITY: Production and related workers: Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	TOTAL ACTIVITY: Total employees*: Number	Salaries and wages	Total value added
			1 000			$000 000				$000 000	
Nfld.	63	228	452	3	1	10	17	6	263	4	6
P.E.I.	20	82	148	1	--	3	5	2	112	2	2
N.S.	129	1 335	2 579	17	3	40	79	32	1 617	22	34
N.B.	133	2 748	4 909	37	9	111	184	58	3 163	46	58
Atlantic provinces	345	4 393	8 088	57	14	164	284	98	5 155	74	100
Que.	1 114	19 043	39 473	301	67	791	1 515	631	23 608	394	643
Ont.	794	15 817	31 751	256	46	678	1 256	518	19 015	334	526
Man.	89	1 566	3 143	25	2	61	113	46	1 867	31	48
Sask.	50	1 154	2 107	22	4	52	82	23	1 399	29	24
Alta.	227	4 509	8 903	93	15	240	415	145	5 791	127	158
Prairies	366	7 229	14 153	140	22	353	610	214	9 057	187	229
B.C.	730	34 264	61 915	900	123	2 111	3 506	1 203	40 230	1 114	1 211
Yukon and N.W.T.	4	54	102	1	--	1	2	--	60	1	--
Total	**3 353**	**80 800**	**155 482**	**1 655**	**273**	**4 098**	**7 173**	**2 663**	**97 125**	**2 104**	**2 708**

* Excluding 868 working owners and partners.

Source: Statistics Canada Cat. No. 25-202.

IV - 7. PAPER AND ALLIED INDUSTRIES BY PROVINCE, 1982

Province or territory	Establishments	MANUFACTURING ACTIVITY							TOTAL ACTIVITY		
		Production and related workers							Total employees*		
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
Nfld.	9	x	x	x	x	x	x	x	x	x	x
P.E.I.	x	x	x	x	x	x	x	x	x	x	x
N.S.	15	2 124	4 505	48	45	128	344	168	2 918	72	163
N.B.	18	4 159	8 784	111	132	361	704	211	5 524	155	224
Que.	231	32 174	66 955	786	502	2 357	5 023	2 175	43 144	1 108	2 176
Ont.	347	33 013	67 728	744	351	2 597	4 841	1 915	43 917	1 079	1 939
Man.	35	1 759	3 731	39	18	156	288	117	2 300	53	118
Sask.	8	x	x	x	x	x	x	x	x	x	x
Alta.	39	1 942	3 943	51	18	213	424	199	2 511	69	196
B.C.	71	13 653	27 835	423	322	1 355	2 702	1 069	18 875	644	1 054
Total	**773**	**91 824**	**189 567**	**2 286**	**1 444**	**7 371**	**14 784**	**6 068**	**122 763**	**3 282**	**6 080**

* Excluding 19 working owners and partners.

Source: Statistics Canada Cat. No. 25-202.

IV - 8. MAJOR WOOD INDUSTRIES - SELECTED PROVINCES, 1982

Activity/ province or territory	Establishments	MANUFACTURING ACTIVITY							TOTAL ACTIVITY		
		Production and related workers							Total employees*		
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000			$000 000				$000 000	
A. Sawmills, planing mills and shingle mills (S.I.C. 251)											
Atlantic	218	2 927	5 311	37	8	95	165	55	3 276	44	56
Quebec	410	9 937	21 488	171	49	456	879	355	12 621	224	358
Ontario	221	4 976	9 876	88	22	266	451	158	6 005	113	161
Man.	15	296	559	6	1	18	24	4	350	7	4
Sask.	13	442	805	10	2	23	36	10	533	12	10
Alta.	44	1 748	3 551	40	9	94	146	36	2 003	48	36
Prairies	72	2 486	4 916	55	11	135	206	50	2 886	67	50
B.C.	406	25 633	47 034	699	99	1 694	2 756	906	30 057	863	902
Yukon and N.W.T.	4	54	102	1	--	1	2	--	60	1	--
Total	**1 331**	**46 013**	**88 727**	**1 051**	**190**	**2 646**	**4 460**	**1 523**	**54 905**	**1 313**	**1 527**
B. Shingle mills (S.I.C. 2511)											
Quebec	14	193	389	3	--	3	8	4	210	3	4
B.C.	86	1 014	1 855	25	2	41	76	34	1 114	29	36
Others	8	95	157	--	--	2	3	1	97	1	1
Total	**108**	**1 302**	**2 401**	**29**	**3**	**46**	**87**	**39**	**1 421**	**33**	**41**

IV - 8. MAJOR WOOD INDUSTRIES - SELECTED PROVINCES, 1982 (CONT'D)

Activity/ province or territory	Establishments	MANUFACTURING ACTIVITY: Production and related workers: Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	TOTAL ACTIVITY: Total employees*: Number	Salaries and wages	Total value added
			1 000			$000 000				$000 000	
C. Sawmills and planing mills (S.I.C. 2513)											
N.S.	80	875	1 690	11	3	19	41	18	1 021	14	19
N.B.	72	1 823	3 199	24	5	72	116	33	2 021	28	33
Quebec	396	9 744	21 099	168	49	452	871	351	12 411	221	354
Ontario	221	4 976	9 876	88	22	266	451	158	6 005	113	161
Man.	15	296	559	6	1	18	24	4	350	7	4
Sask.	13	442	805	10	2	23	36	10	533	12	10
Alta.	44	1 748	3 551	40	9	94	146	36	2 003	48	36
B.C.	320	24 619	45 179	674	97	1 652	2 679	872	28 943	834	866
Yukon and N.W.T.	4	--	102	1	--	1	--	--	60	1	--
Others	58	188	266	--	--	3	9	2	137	2	3
Total	**1 223**	**44 711**	**86 326**	**1 022**	**188**	**2 600**	**4 373**	**1 484**	**53 484**	**1 280**	**1 486**
D. Veneer and plywood mills (S.I.C. 252)											
Quebec	25	1 523	2 997	21	3	58	105	44	1 762	27	49
Ontario	21	1 753	3 326	26	4	52	99	41	2 016	32	41
B.C.	29	5 228	8 364	128	17	225	402	152	5 877	151	154
Others	8	601	1 124	10	3	29	44	12	717	16	11
Total	**83**	**9 105**	**15 811**	**185**	**27**	**364**	**650**	**249**	**10 372**	**226**	**255**

IV - 8. MAJOR WOOD INDUSTRIES - SELECTED PROVINCES, 1982 (CONT'D)

Activity/ province or territory	Establishments	MANUFACTURING ACTIVITY: Production and related workers: Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	TOTAL ACTIVITY: Total employees*: Number	Salaries and wages	Total value added
			1 000			$000 000				$000 000	
E. Sash, door, and other millwork (S.I.C. 254)											
P.E.I.	5	55	98	1	--	2	4	1	83	1	1
N.S.	32	289	551	4	--	12	21	7	407	6	7
Quebec	514	5 014	9 884	72	7	183	348	151	6 200	95	154
Ontario	343	5 335	11 101	82	7	198	396	188	6 481	110	191
Man.	63	1 143	2 327	17	1	37	78	39	1 370	22	40
Sask.	28	225	457	4	--	13	20	6	313	6	7
Alta.	143	2 013	3 949	38	3	102	195	84	2 877	60	97
B.C.	229	2 409	4 667	50	3	126	235	102	3 122	71	111
Others	45	476	951	6	2	22	38	15	630	10	17
Total	**1 402**	**16 959**	**33 985**	**274**	**24**	**695**	**1 335**	**593**	**21 483**	**381**	**625**
F. Wooden box factories (S.I.C. 256)											
N.S.	5	67	132	1	--	1	3	2	70	1	2
N.B.	8	55	95	--	--	1	2	1	57	1	1
Quebec	66	680	1 413	9	1	20	38	17	779	11	17
Ontario	102	1 637	3 426	24	3	60	119	56	2 013	33	56
B.C.	12	146	276	3	--	8	15	7	177	4	7
Others	15	145	301	4	--	7	11	4	163	2	4
Total	**208**	**2 730**	**5 643**	**41**	**4**	**97**	**188**	**87**	**3 259**	**52**	**87**

IV - 8. MAJOR WOOD INDUSTRIES - SELECTED PROVINCES, 1982 (CONCLUDED)

Activity/ province or territory	Estab-lishments	MANUFACTURING ACTIVITY: Production and related workers: Number	Person-hours paid: 1 000	Wages: $000 000	Fuel and electricity: $000 000	Materials and supplies: $000 000	Value of shipments of goods: $000 000	Value added: $000 000	TOTAL ACTIVITY: Total employees*: Number	Salaries and wages: $000 000	Total value added: $000 000
G. Coffin and casket manufacturers (S.I.C. 258)											
Quebec	12	405	877	6	--	11	24	13	466	8	13
Ontario	8	135	259	2	--	3	7	3	155	2	3
Alta.	3	29	59	--	--	1	2	1	34	1	1
Others	10	74	145	2	--	2	3	2	86	1	2
Total	**33**	**643**	**1 340**	**10**	**1**	**17**	**36**	**19**	**741**	**12**	**19**
H. Other wood industries (S.I.C. 259)											
N.B.	11	341	582	5	3	16	27	8	413	7	8
Quebec	87	1 484	2 814	22	6	64	122	51	1 780	29	51
Ontario	99	1 981	3 764	34	11	99	185	72	2 345	44	73
Man.	4	41	80	1	--	4	6	2	53	1	2
Alta.	25	279	527	5	2	19	33	12	336	7	13
B.C.	51	832	1 549	20	3	59	98	35	979	24	36
Others	19	392	659	7	2	18	33	13	459	8	12
Total	**296**	**5 350**	**9 975**	**94**	**27**	**279**	**504**	**193**	**6 365**	**120**	**195**

* Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-202, 35-204, 35-205, 35-206, 35-208, 35-209 and 35-210.

IV - 9. MAJOR PAPER AND ALLIED INDUSTRIES - SELECTED PROVINCES, 1982

Sector	Establishments	MANUFACTURING ACTIVITY							TOTAL ACTIVITY		
		Production and related workers							Total employees*		
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
A. Pulp and paper mills (S.I.C. 271)											
N.S.	5	1 656	3 565	40	42	97	289	146	2 268	60	141
N.B.	11	3 907	8 261	106	132	339	669	199	5 188	149	213
Que.	54	23 543	49 211	623	476	1 656	3 862	1 744	31 404	864	1 739
Ont.	36	16 811	34 649	440	317	1 222	2 594	1 072	21 826	611	1 074
Alta.	5	1 032	2 143	33	15	118	257	131	1 291	43	128
B.C.	23	12 100	24 674	386	318	1 192	2 433	966	16 779	590	949
Others	8	3 437	7 046	97	69	241	546	255	4 136	119	249
Total	**142**	**62 486**	**129 549**	**1 725**	**1 369**	**4 865**	**10 650**	**4 513**	**82 892**	**2 436**	**4 493**
B. Asphalt roofing manufacturers (S.I.C. 272)											
Ont.	5	333	667	6	2	61	96	34	452	9	35
Alta.	3	122	237	3	1	31	59	26	165	4	26
Others	8	313	658	6	4	70	116	42	652	13	46
Total	**16**	**768**	**1 562**	**15**	**7**	**162**	**271**	**102**	**1 269**	**26**	**107**

IV - 9. MAJOR PAPER AND ALLIED INDUSTRIES - SELECTED PROVINCES, 1982

Sector	Estab-lishments	MANUFACTURING ACTIVITY: Production and related workers: Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	TOTAL ACTIVITY: Total employees*: Number	Salaries and wages	Total value added
			1 000			$000 000				$000 000	
C. Paper box and bag manufacturers (S.I.C. 273)											
Que.	92	5 469	11 198	105	11	408	649	229	7 195	151	229
Ont.	171	8 730	17 610	163	16	687	1 121	422	11 441	237	430
Others	78	3 328	6 773	70	7	310	510	193	4 365	99	194
Total	**341**	**17 527**	**35 581**	**338**	**34**	**1 405**	**2 280**	**844**	**23 001**	**487**	**853**
D. Miscellaneous paper converters (S.I.C. 274)											
N.S.	5	214	445	3	2	9	23	11	312	6	11
Ont.	135	7 139	14 801	135	16	626	1 050	388	10 198	223	400
Man.	12	279	580	6	--	24	38	14	387	8	14
Alta.	10	98	196	2	--	7	13	6	149	3	6
B.C.	24	273	566	6	--	21	37	16	388	9	18
Others	88	3 040	6 287	56	16	252	443	174	4 167	84	177
Total	**274**	**11 043**	**22 875**	**208**	**34**	**939**	**1 584**	**609**	**15 601**	**333**	**626**

* Excluding working owners and partners.

Source: Statistics Canada Cat. No. 36-204, 36-206, and 36-216.

IV - 10. LOGGING PRINCIPAL STATISTICS BY YEAR, 1960-1982

		MANUFACTURING ACTIVITY							TOTAL ACTIVITY		
		Production and related workers							Total employees*		
Year	Establishments	Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000			$000 000				$000 000	
1960	..	..	..	..	..	..	806	..	..	375	..
1965	2 556	53 992	122 571	274	27	651	1 185	528	60 701	316	547
1970	2 653	44 814	100 235	345	29	898	1 620	683	52 230	412	694
1971	2 441	40 126	88 740	344	30	901	1 630	686	47 284	413	698
1972	2 798	40 363	89 599	382	37	995	1 873	814	47 553	458	829
1973	3 132	49 573	105 182	513	50	1 446	2 494	1 089	57 586	606	1 109
1974	3 253	50 733	108 321	601	68	1 585	2 733	1 221	59 491	717	1 244
1975	2 745	45 533	97 662	588	64	1 129	2 175	1 098	53 622	712	1 126
1976	2 315	42 185	83 917	639	71	1 383	2 733	1 300	49 878	773	1 348
1977	2 131	41 804	83 192	693	74	1 513	2 998	1 400	49 445	844	1 440
1978	2 279	45 939	91 544	808	85	1 828	3 435	1 564	53 753	973	1 647
1979	2 844	48 301	96 238	927	101	2 383	4 222	1 822	56 614	1 115	2 053
1980	3 241	45 826	90 653	965	121	2 597	4 559	1 927	54 370	1 179	2 049
1981	3 276	39 971	78 283	944	159	2 444	4 430	1 857	48 402	1 192	1 883
1982	3 082	32 796	62 454	798	179	2 093	3 998	1 616	40 214	1 034	1 650

* Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-201.

IV - 11. WOOD INDUSTRIES BY YEAR, 1960-1982

Year	Establishments	MANUFACTURING ACTIVITY							TOTAL ACTIVITY		
		Production and related workers							Total employees*		
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1960	5 730	69 101	..	222	18	561	1 007	..	82 734	278	432
1965	4 206	78 389	169 301	322	30	818	1 488	655	91 588	399	669
1970	3 330	75 225	157 535	446	36	1 139	1 951	790	87 829	552	802
1971	3 164	78 420	165 368	517	44	1 296	2 347	1 003	91 846	638	1 017
1972	3 085	87 733	182 598	623	53	1 647	3 085	1 397	102 699	771	1 422
1973	3 063	94 818	197 824	756	64	2 181	4 056	1 947	111 600	939	1 977
1974	3 111	89 297	186 506	823	75	2 242	3 991	1 708	106 620	1 038	1 748
1975	2 920	81 588	167 763	846	79	2 098	3 803	1 655	97 717	1 071	1 690
1976	2 703	90 007	187 880	1 098	105	2 770	4 999	2 207	106 178	1 353	2 236
1977	2 542	92 300	192 273	1 272	130	3 161	5 952	2 726	108 660	1 558	2 762
1978	2 928	100 491	209 594	1 482	159	3 916	7 477	3 507	119 004	1 821	3 550
1979	3 208	103 025	216 455	1 687	183	4 927	8 808	3 965	122 048	2 074	4 021
1980	3 363	98 839	207 679	1 798	205	4 865	8 397	3 399	117 307	2 217	3 466
1981	3 394	94 328	189 205	1 824	245	4 802	8 442	3 379	112 570	2 286	3 447
1982	3 353	80 800	155 482	1 655	273	4 098	7 173	2 663	97 125	2 104	2 708

* Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-202.

IV - 12. PAPER AND ALLIED INDUSTRIES BY YEAR, 1960-1982

Year	Establishments	MANUFACTURING ACTIVITY							TOTAL ACTIVITY		
		Production and related workers							Total employees*		
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1960	565	76 040	..	339	116	979	2 126	..	95 281	458	1 034
1965	601	83 994	184 072	450	158	1 386	2 882	1 347	110 180	634	1 365
1970	635	90 679	195 536	684	214	1 953	3 931	1 781	121 080	978	1 817
1971	642	90 086	191 811	731	244	2 023	4 001	1 772	119 709	1 039	1 804
1972	654	91 188	195 393	805	257	2 211	4 414	1 928	120 758	1 135	1 962
1973	649	93 123	197 883	886	284	2 536	5 271	2 439	123 138	1 248	2 476
1974	650	99 696	210 962	1 087	427	3 456	7 677	3 888	131 275	1 526	3 945
1975	665	95 794	181 293	1 055	419	3 347	7 132	3 398	127 342	1 553	3 470
1976	661	98 335	203 620	1 381	572	4 038	8 229	3 774	130 207	1 938	3 844
1977	647	94 244	195 940	1 490	697	4 238	8 938	4 004	124 463	2 080	4 032
1978	699	96 882	202 655	1 654	833	4 747	10 197	4 539	126 783	2 282	4 565
1979	732	98 667	204 986	1 802	960	5 654	12 287	5 733	128 918	2 491	5 756
1980	764	99 071	204 792	1 987	1 085	6 785	14 503	6 737	130 310	2 784	6 770
1981	758	99 491	205 525	2 243	1 299	7 595	15 729	6 944	131 024	3 146	6 965
1982	773	91 824	189 567	2 286	1 444	7 371	14 784	6 068	122 763	3 282	6 080

* Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-202.

IV - 13. SAWMILLS, PLANING AND SHINGLE MILLS (S.I.C. 251) BY YEAR, 1965-1982

Year	Establishments	MANUFACTURING ACTIVITY							TOTAL ACTIVITY		
		Production and related workers							Total employees*		
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1965	2 559	44 477	95 489	188	20	502	896	384	50 848	224	389
1970	1 854	43 914	92 625	273	24	705	1 168	450	50 226	326	453
1971	1 705	45 702	96 322	318	29	811	1 440	593	52 650	381	596
1972	1 639	51 076	106 058	385	36	1 030	1 949	894	58 909	464	898
1973	1 593	55 396	115 366	471	44	1 397	2 627	1 306	64 359	572	1 311
1974	1 609	50 615	106 377	506	50	1 341	2 380	999	59 886	623	1 005
1975	1 437	42 291	87 840	482	52	1 141	2 060	883	50 765	599	885
1976	1 282	49 528	104 249	667	70	1 647	2 969	1 309	58 221	802	1 314
1977	1 203	53 169	111 169	803	89	1 986	3 787	1 772	62 199	961	1 776
1978	1 310	58 130	122 002	944	109	2 513	4 848	2 324	68 616	1 139	2 328
1979	1 424	59 294	125 894	1 081	126	3 267	5 831	2 670	70 314	1 312	2 677
1980	1 441	57 800	122 469	1 173	143	3 205	5 430	2 150	68 312	1 423	2 155
1981	1 432	54 499	108 526	1 147	169	2 998	5 098	1 882	64 486	1 413	1 883
1982	1 331	46 013	88 727	1 051	190	2 646	4 460	1 523	54 905	1 313	1 527

* Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-204.

IV - 14. SHINGLE MILLS (S.I.C. 2511) BY YEAR, 1965-1982

Year	Establishments	MANUFACTURING ACTIVITY							TOTAL ACTIVITY		
		Production and related workers							Total employees*		
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1965	64	1 422	2 793	8	--	15	25	10	1 527	9	11
1970	82	1 374	2 697	11	--	18	32	14	1 450	12	14
1971	74	1 595	3 173	14	1	22	44	22	1 687	15	22
1972	72	1 689	3 244	15	1	26	56	29	1 798	16	29
1973	74	1 753	3 415	17	1	37	68	31	1 883	18	31
1974	79	1 421	2 841	16	1	26	50	23	1 540	18	23
1975	69	1 503	2 942	20	1	28	63	34	1 609	21	34
1976	69	1 690	3 359	25	1	44	90	[illegible]	[illegible] 813	27	47
1977	71	1 637	3 319	29	2	61	115		1 754	31	53
1978	84	2 029	4 272	37	2	87	154		2 159	41	68
1979	116	1 853	3 887	40	2	92	155	60	1 986	44	60
1980	124	1 897	3 708	41	2	83	152	66	2 034	44	66
1981	119	1 583	3 117	37	2	69	125	54	1 712	40	56
1982	108	1 302	2 401	29	3	46	87	39	1 421	33	41

* Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-204.

IV - 15. SAWMILLS AND PLANING MILLS (S.I.C. 2513) BY YEAR, 1960-1982

		MANUFACTURING ACTIVITY							TOTAL ACTIVITY		
		Production and related workers							Total employees*		
Year	Establishments	Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1960	3 719	36 714	..	120	10	296	530	225	..	..	..
1965	2 559	44 477	95 489	188	20	502	896	384	50 848	224	389
1970	1 772	42 540	89 928	262	24	687	1 135	436	48 776	314	439
1971	1 631	44 107	93 150	305	28	789	1 396	572	50 963	366	574
1972	1 567	49 387	102 814	370	35	1 004	1 894	865	57 111	448	869
1973	1 519	53 643	111 951	455	43	1 360	2 559	1 275	62 476	554	1 280
1974	1 530	49 194	103 535	490	49	1 315	2 330	976	58 346	605	983
1975	1 368	40 788	84 899	462	51	1 113	1 997	849	49 156	578	851
1976	1 213	47 838	100 890	642	69	1 604	2 878	1 262	56 408	774	1 268
1977	1 132	51 532	107 850	775	88	1 925	3 673	1 719	60 445	930	1 723
1978	1 226	56 101	117 730	906	107	2 426	4 694	2 257	66 457	1 098	2 260
1979	1 308	57 441	122 007	1 042	124	3 176	5 676	2 610	68 328	1 268	2 617
1980	1 317	55 903	118 761	1 132	141	3 122	5 278	2 085	66 278	1 379	2 089
1981	1 313	52 916	105 409	1 110	166	2 929	4 973	1 828	62 774	1 373	1 827
1982	1 223	44 711	86 326	1 022	188	2 600	4 373	1 484	53 484	1 280	1 486

* Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-204.

IV - 16. VENEER AND PLYWOOD MILLS (S.I.C. 252) BY YEAR, 1960-1982

		MANUFACTURING ACTIVITY							TOTAL ACTIVITY		
		Production and related workers							Total employees*		
Year	Establishments	Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1960	76	9 856	..	35	3	76	138	61	..	..	..
1965	83	12 826	27 455	55	4	120	222	101	14 265	65	102
1970	90	10 973	21 616	68	5	152	262	104	12 259	80	106
1971	88	11 363	23 360	80	6	165	312	139	12 650	93	142
1972	84	12 213	24 788	92	7	202	393	182	13 664	108	187
1973	86	13 082	26 599	110	8	255	487	226	14 478	127	232
1974	82	11 863	23 562	112	9	262	463	198	13 291	133	206
1975	83	11 367	21 346	119	10	248	458	200	12 732	141	204
1976	81	11 635	23 179	147	13	311	584	266	13 003	171	270
1977	83	12 301	24 917	174	17	351	647	283	13 695	202	285
1978	86	12 555	25 319	192	20	423	844	402	14 067	222	406
1979	83	12 212	24 470	203	21	498	888	380	13 618	236	391
1980	84	10 990	22 453	206	23	483	840	333	12 363	243	345
1981	77	9 920	18 845	197	26	466	841	351	11 323	238	357
1982	83	9 105	15 811	185	27	364	650	249	10 372	226	255

* Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-206.

IV - 17. SASH, DOOR AND OTHER MILLWORK (S.I.C. 254) BY YEAR, 1960-1982

		MANUFACTURING ACTIVITY							TOTAL ACTIVITY		
		Production and related workers							Total employees*		
Year	Establishments	Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1960	1 397	13 267	..	40	4	134	227	88	..	..	..
1965	1 007	11 108	24 868	41	3	115	209	93	14 122	58	99
1970	908	12 040	25 610	63	3	190	339	146	15 432	91	152
1971	902	12 933	27 820	73	4	223	396	172	16 494	105	180
1972	910	15 594	33 009	94	5	298	509	209	19 547	131	224
1973	943	17 078	36 298	115	6	389	658	274	21 675	163	291
1974	958	17 230	36 462	135	8	462	801	343	22 214	193	365
1975	944	18 409	38 629	165	8	519	928	405	23 083	229	433
1976	925	19 622	41 132	199	10	618	1 073	460	24 224	271	476
1977	891	18 169	38 025	200	11	607	1 079	468	22 641	275	495
1978	1 110	20 525	42 952	240	13	718	1 267	538	25 468	326	573
1979	1 228	21 067	44 175	268	15	818	1 438	618	25 972	360	652
1980	1 316	19 994	41 665	275	16	790	1 425	621	24 866	372	668
1981	1 358	20 447	42 183	321	21	905	1 701	795	25 559	436	852
1982	1 402	16 959	33 985	274	24	695	1 335	593	21 483	381	625

* Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-205.

IV - 18. WOODEN BOX FACTORIES (S.I.C. 256) BY YEAR, 1965-1982

Year	Establishments	MANUFACTURING ACTIVITY							TOTAL ACTIVITY		
		Production and related workers							Total employees*		
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1965	160	2 642	5 824	9	1	15	35	19	3 028	11	19
1970	162	2 668	5 668	13	1	25	54	28	3 115	17	28
1971	162	2 666	5 615	14	1	26	55	28	3 109	18	28
1972	157	2 747	5 828	15	1	31	62	30	3 218	19	30
1973	162	2 913	6 176	18	1	40	79	38	3 449	23	38
1974	177	3 192	6 828	22	1	57	105	47	3 731	28	47
1975	179	3 233	6 846	26	1	57	110	52	3 752	33	52
1976	166	2 938	6 216	26	2	57	111	53	3 430	33	53
1977	150	2 869	6 028	30	2	66	134	67	3 347	40	67
1978	161	2 940	6 112	30	2	77	139	61	3 470	39	61
1979	189	3 396	7 099	42	2	104	187	81	3 938	51	81
1980	192	3 017	6 310	38	2	102	189	85	3 547	48	85
1981	191	2 874	5 986	43	3	110	207	93	3 407	55	93
1982	208	2 730	5 643	41	4	97	188	87	3 259	52	87

* Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-208.

IV - 19. COFFIN AND CASKET INDUSTRY (S.I.C. 258) BY YEAR, 1965-1982

		MANUFACTURING ACTIVITY							TOTAL ACTIVITY		
		Production and related workers							Total employees*		
Year	Establishments	Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1965	56	1 152	2 595	4	--	6	14	8	1 438	5	8
1970	45	1 006	2 194	5	--	7	17	10	1 260	7	10
1971	45	983	2 172	5	--	7	18	10	1 217	7	10
1972	43	973	2 113	5	--	8	18	10	1 202	7	10
1973	42	982	2 088	6	--	10	21	11	1 180	8	11
1974	43	1 000	2 051	6	--	13	25	13	1 230	9	13
1975	40	952	1 990	7	--	11	25	14	1 120	9	14
1976	38	837	1 803	7	--	10	23	12	965	8	13
1977	29	743	1 599	7	--	10	23	13	860	8	13
1978	31	721	1 507	7	--	13	27	15	846	9	15
1979	32	660	1 393	7	--	13	29	15	776	9	16
1980	38	707	1 488	9	1	15	32	16	828	11	17
1981	34	616	1 311	9	1	15	33	18	736	11	18
1982	33	643	1 340	10	1	17	36	19	741	12	19

* Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-208.

IV - 20. MISCELLANEOUS WOOD INDUSTRIES (S.I.C. 259) BY YEAR, 1965-1982

Year	Establishments	MANUFACTURING ACTIVITY							TOTAL ACTIVITY		
		Production and related workers							Total employees*		
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1965	277	4 762	10 276	17	2	45	86	40	5 796	23	41
1970	271	4 624	9 821	24	3	59	112	52	5 537	31	53
1971	260	4 773	10 079	27	3	64	126	60	5 726	35	61
1972	252	5 130	10 803	32	4	77	153	72	6 159	41	73
1973	237	5 367	11 298	36	5	90	184	91	6 459	47	93
1974	242	5 397	11 226	42	6	109	217	108	6 268	52	110
1975	237	5 336	11 112	48	7	121	222	100	6 265	59	101
1976	211	5 447	11 308	54	10	127	239	106	6 335	67	110
1977	186	5 049	10 536	57	11	142	282	124	5 918	72	126
1978	230	5 620	11 703	69	14	173	351	166	6 537	85	167
1979	252	6 396	13 424	86	18	226	436	201	7 430	107	204
1980	292	6 331	13 294	97	20	269	481	193	7 391	119	197
1981	302	5 972	12 354	107	26	307	563	240	7 059	133	244
1982	296	5 350	9 975	94	27	279	504	193	6 365	120	195

* Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-208.

IV - 21. WOOD PRESERVATION INDUSTRIES (S.I.C. 2591) BY YEAR, 1965-1982

Year	Establishments	MANUFACTURING ACTIVITY							TOTAL ACTIVITY		
		Production and related workers							Total employees*		
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1965	31	1 178	2 465	5	1	19	34	15	1 456	7	15
1970	34	1 048	2 212	7	1	21	39	17	1 357	10	18
1971	30	1 154	2 443	8	1	26	45	19	1 448	11	20
1972	31	1 148	2 509	9	1	27	51	22	1 465	12	22
1973	33	1 125	2 418	10	1	32	61	27	1 452	14	28
1974	36	1 281	2 622	13	2	42	80	39	1 506	16	41
1975	36	1 320	2 721	14	2	54	88	37	1 627	19	37
1976	36	1 199	2 341	13	2	49	81	32	1 481	18	34
1977	34	1 188	2 418	16	2	58	102	39	1 474	21	40
1978	38	1 446	2 985	20	3	69	120	48	1 733	25	48
1979	41	1 364	2 784	21	3	82	132	51	1 672	27	52
1980	40	1 416	2 900	26	3	94	150	56	1 687	31	59
1981	43	1 295	2 656	26	4	106	173	65	1 572	32	67
1982	45	1 128	2 166	24	6	100	166	61	1 388	31	61

* Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-208.

IV - 22. MANUFACTURERS OF PARTICLEBOARD (S.I.C. 2593) BY YEAR, 1965-1982

Year	Establishments	MANUFACTURING ACTIVITY							TOTAL ACTIVITY		
		Production and related workers							Total employees*		
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1965	..	..	..	..	..	..	..	..	..	..	..
1970	9	674	1 512	4	1	8	18	9	783	5	9
1971	11	846	1 766	5	1	11	25	13	1 007	7	13
1972	11	952	2 091	7	2	17	37	18	1 136	9	18
1973	11	1 028	2 248	8	2	17	47	27	1 240	10	27
1974	11	1 077	2 298	10	3	21	52	29	1 269	12	29
1975	14	1 192	2 413	13	3	26	51	23	1 377	16	22
1976	18	1 634	3 340	20	6	41	77	33	1 889	24	33
1977	17	1 590	3 221	21	8	48	102	45	1 841	26	44
1978	17	1 720	3 616	28	10	65	148	74	2 018	34	74
1979	18	2 056	4 310	35	13	86	183	89	2 407	43	89
1980	17	1 807	3 794	36	14	97	186	71	2 149	44	70
1981	21	1 974	4 096	44	18	118	226	95	2 366	55	95
1982	22	1 845	3 309	36	17	100	188	65	2 205	47	65

* Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-208.

IV - 23. PULP AND PAPER MILLS (S.I.C. 271) BY YEAR, 1960-1982

		MANUFACTURING ACTIVITY							TOTAL ACTIVITY		
		Production and related workers							Total employees*		
Year	Establishments	Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1960	126	53 313	..	260	111	658	1 583	815	..	..	..
1965	132	58 074	128 006	339	151	924	2 104	1 034	69 897	424	1 042
1970	139	62 025	134 291	512	204	1 334	2 851	1 323	80 371	701	1 331
1971	142	61 426	130 766	546	233	1 364	2 832	1 273	79 397	746	1 277
1972	141	61 196	131 426	594	244	1 484	3 128	1 374	78 969	809	1 380
1973	146	61 783	131 688	645	271	1 701	3 791	1 804	80 085	884	1 813
1974	147	66 584	142 883	803	409	2 307	5 703	3 034	86 203	1 097	3 049
1975	147	64 329	117 176	755	399	2 192	5 122	2 569	84 046	1 092	2 601
1976	147	66 946	139 464	1 033	546	2 733	5 993	2 845	86 995	1 416	2 876
1977	145	64 930	135 108	1 130	668	2 911	6 637	3 056	84 533	1 541	3 070
1978	144	66 039	138 834	1 253	798	3 255	7 649	3 504	85 601	1 697	3 508
1979	146	66 878	139 305	1 355	919	3 848	9 282	4 539	87 055	1 847	4 531
1980	144	66 252	137 699	1 486	1 037	4 605	10 908	5 350	86 872	2 050	5 355
1981	144	67 170	139 183	1 670	1 240	5 063	11 619	5 406	87 882	2 310	5 401
1982	142	62 486	129 549	1 725	1 369	4 865	10 650	4 513	82 892	2 436	4 493

* Excluding working owners and partners.

Source: Statistics Canada Cat. No. 36-204.

IV - 24. ASPHALT ROOFING MANUFACTURERS (S.I.C. 272) BY YEAR, 1965-1982

Year	Establishments	MANUFACTURING ACTIVITY							TOTAL ACTIVITY		
		Production and related workers							Total employees*		
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1965	21	1 291	2 899	6	1	30	58	26	1 942	10	30
1970	14	618	1 436	4	1	22	39	17	1 141	9	19
1971	14	727	1 706	6	1	29	51	22	1 218	10	25
1972	14	815	1 919	7	1	34	63	28	1 277	12	31
1973	15	919	2 088	8	1	41	77	33	1 375	13	37
1974	15	916	2 109	9	2	54	102	49	1 403	15	52
1975	15	963	2 189	11	2	69	121	51	1 438	18	53
1976	15	1 034	2 177	13	3	87	148	60	1 549	21	63
1977	15	998	2 127	14	4	91	154	62	1 540	22	64
1978	17	1 043	2 169	15	4	111	179	64	1 467	23	67
1979	18	997	2 067	15	5	138	209	72	1 471	24	81
1980	17	891	1 874	15	5	160	244	78	1 393	26	92
1981	16	806	1 637	15	6	167	269	90	1 301	27	100
1982	16	768	1 562	15	7	162	271	102	1 269	26	107

* Excluding working owners and partners.

Source: Statistics Canada Cat. No. 36-215.

IV - 25. PAPER BOX AND BAG MANUFACTURERS (S.I.C. 273) BY YEAR, 1965-1982

		MANUFACTURING ACTIVITY							TOTAL ACTIVITY		
		Production and related workers							Total employees*		
Year	Establishments	Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000			$000 000				$000 000	
1965	244	15 898	34 274	102	3	284	458	172	20 952	100	173
1970	269	17 505	37 569	108	5	389	656	266	23 497	160	270
1971	268	17 527	37 231	116	6	412	701	285	23 387	170	290
1972	268	18 393	39 435	132	7	455	771	313	24 335	191	320
1973	265	19 249	40 698	150	7	518	881	358	25 282	214	366
1974	269	20 187	41 236	177	9	718	1 182	480	26 247	252	498
1975	286	18 791	38 173	182	11	698	1 171	458	24 799	266	470
1976	284	18 882	38 509	215	13	784	1 310	526	24 891	306	537
1977	280	18 086	37 675	231	16	811	1 355	525	23 837	329	528
1978	296	18 680	38 925	252	18	904	1 502	589	24 259	351	591
1979	316	19 125	39 688	276	21	1 057	1 718	653	24 607	382	657
1980	331	19 713	40 238	306	25	1 226	2 000	765	25 443	430	767
1981	331	19 255	39 496	349	31	1 452	2 303	832	25 131	492	835
1982	341	17 527	35 581	338	34	1 405	2 280	844	23 001	487	853

* Excluding working owners and partners.

Source: Statistics Canada Cat. No. 36-216.

IV - 26. MISCELLANEOUS PAPER CONVERTERS (S.I.C. 274) BY YEAR, 1965-1982

Year	Establishments	MANUFACTURING ACTIVITY							TOTAL ACTIVITY		
		Production and related workers							Total employees*		
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1965	204	8 731	18 892	37	3	147	262	115	12 215	58	120
1970	213	10 531	22 240	60	4	208	384	176	16 071	108	197
1971	218	10 406	22 108	63	4	219	416	193	15 707	113	212
1972	231	10 784	22 613	71	5	239	453	213	16 177	124	231
1973	223	11 172	23 409	82	5	276	522	243	16 396	137	261
1974	219	12 009	24 733	98	7	377	690	326	17 422	162	347
1975	217	11 711	23 755	107	7	389	717	320	17 059	178	345
1976	215	11 473	23 469	119	9	435	778	343	16 772	195	368
1977	207	10 230	21 030	115	10	426	793	360	14 553	187	370
1978	242	11 120	22 728	134	13	477	867	382	15 456	211	399
1979	252	11 667	23 926	156	15	611	1 077	469	15 785	238	488
1980	272	12 215	24 979	179	18	795	1 351	544	16 602	278	556
1981	267	12 260	25 209	210	23	912	1 539	615	16 710	317	630
1982	274	11 043	22 875	208	34	939	1 584	609	15 601	333	626

* Excluding working owners and partners.

Source: Statistics Canada Cat. No. 36-215.

IV - 27. MANUFACTURING INDUSTRIES, 1982

Industries	Establishments	MANUFACTURING ACTIVITY: Production and related workers: Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	TOTAL ACTIVITY: Total employees*: Number	Salaries and wages	Total value added
			1 000			$000 000				$000 000	
Wood	3 353	80 800	155 482	1 655	273	4 098	7 173	2 663	97 125	2 104	2 708
Paper and allied	773	91 824	189 567	2 286	1 444	7 371	14 784	6 068	122 763	3 282	6 080
Sub-total	**4 126**	**172 624**	**345 049**	**3 941**	**1 717**	**11 469**	**21 957**	**8 731**	**219 888**	**5 386**	**8 788**
Food and beverage	4 372	153 499	315 921	2 892	619	22 220	33 017	10 216	226 946	4 687	11 107
Tobacco products	24	5 562	10 072	128	10	828	1 494	715	8 711	222	729
Rubber and plastics products	1 036	42 222	87 267	760	119	2 265	4 434	2 029	57 076	1 147	2 221
Leather	419	19 614	40 247	249	12	550	1 106	537	22 957	330	558
Textile	989	45 869	94 663	711	135	2 417	4 508	1 877	59 416	1 045	1 918
Knitting mills	255	15 798	32 766	195	17	492	948	430	18 318	254	429
Clothing	2 107	79 051	152 630	935	23	1 903	3 962	2 000	91 306	1 214	2 075
Furniture and fixtures	2 489	39 024	80 798	567	38	1 184	2 494	1 253	47 289	752	1 264
Printing, publishing and allied	4 620	62 066	121 846	1 252	56	2 531	6 779	4 193	106 588	2 280	4 272
Primary metal	446	82 186	168 768	2 157	872	6 724	12 402	4 691	113 215	3 168	4 804
Metal fabricating (except machinery and transportation equipment)	5 150	107 014	222 161	2 190	195	5 940	17 766	5 530	141 563	3 102	5 683
Machinery (except electrical machinery)	1 679	59 717	123 877	1 282	91	3 831	7 662	3 701	95 909	2 220	4 145
Transportation equipment	1 202	120 289	248 560	2 805	245	15 300	22 657	6 778	161 086	3 980	7 546
Electrical products	1 116	75 536	155 181	1 431	104	3 905	8 714	4 577	117 377	2 544	5 161
Nonmetallic mineral products	1 535	33 997	70 052	752	445	1 725	4 385	2 204	47 949	1 135	2 272
Petroleum and coal products	125	8 275	18 080	266	221	19 352	21 709	2 183	21 501	767	2 180
Chemical and chemical products	1 221	45 485	95 036	1 060	1 062	7 571	14 095	5 387	88 036	2 296	5 864
Miscellaneous manufacturing	2 923	44 596	90 241	689	49	1 914	3 930	1 959	63 719	1 165	2 309
Sub-total, other industries	31 708	1 039 800	2 128 166	20 321	4 313	100 652	166 062	60 260	1 488 962	32 308	64 537
Total, industries	**35 834**	**1 212 424**	**2 473 215**	**24 262**	**6 028**	**112 120**	**188 019**	**68 990**	**1 708 850**	**37 695**	**73 324**

* Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-202 and 31-203.

SECTION V

EMPLOYMENT

V - 1. EMPLOYMENT BY INDUSTRY SECTOR*, 1970-1983

Year	Primary industries			Manufacturing	Construction	Transport, communication and other utilities	Trade	Finance, business, and real estate	Community, business, and personal service	Public administration	Total	Paid workers	Unemployment rate
	Agriculture	Other**	Total										
	1 000 persons												
1970	513	216	731	1 768	467	698	1 328	379	2 040	510	**7 919**	7 004	5,7
1971	514	221	735	1 766	489	707	1 335	399	2 128	545	**8 103**	7 181	6,2
1972	483	214	697	1 823	494	734	1 417	398	2 202	579	**8 344**	7 451	6,2
1973	469	224	693	1 927	539	775	1 503	424	2 290	610	**8 761**	7 890	5,5
1974	474	229	703	1 978	586	791	1 578	460	2 389	640	**9 125**	8 224	5,3
1975	483	220	703	1 871	603	812	1 637	474	2 520	665	**9 285**	8 375	6,9
1976	472	235	707	1 921	635	824	1 644	496	2 573	678	**9 478**	8 543	7,1
1977	464	242	706	1 888	634	819	1 679	531	2 695	699	**9 651**	8 681	8,1
1978	474	260	734	1 956	634	859	1 739	546	2 812	705	**9 987**	8 948	8,3
1979	484	275	759	2 071	644	903	1 808	554	2 954	701	**10 395**	9 321	7,4
1980	479	300	779	2 111	624	906	1 837	611	3 096	744	**10 708**	9 651	7,5
1981	485	323	808	2 122	651	912	1 884	594	3 267	768	**11 006**	9 932	7,5
1982	462	271	733	1 930	597	885	1 848	601	3 284	767	**10 644**	9 576	11,0
1983	476	281	757	1 886	566	870	1 850	602	3 421	782	**10 734**	9 624	11,9

* Labor force survey, unadjusted series.

** Forestry services, logging, fishing and trapping, mines, quarries and oil wells.

Source: Statistics Canada Cat. No. 71-001.

V - 2. EMPLOYMENT IN THE FOREST INDUSTRIES BY SECTOR*, 1961-1982

Year	Logging	Wood Industries			Paper and allied Industries			Combined total
		Sawmills and planing mills	Other	Total	Pulp and paper mills	Other	Total	
1961	..	46 688	35 397	**82 085**	63 789	34 503	**98 292**	..
1965	**60 701**	50 848	40 740	**91 588**	69 897	40 283	**110 180**	**262 469**
1970	**52 230**	48 776	39 053	**87 829**	80 371	40 709	**121 080**	**261 139**
1971	**47 284**	50 963	40 883	**91 846**	79 397	40 312	**119 709**	**258 839**
1972	**47 553**	57 111	45 588	**102 699**	78 969	41 789	**120 758**	**271 010**
1973	**57 586**	62 476	49 124	**111 600**	80 085	43 053	**123 138**	**292 324**
1974	**59 491**	58 346	48 274	**106 620**	86 203	45 072	**131 275**	**297 386**
1975	**53 622**	49 156	48 561	**97 717**	84 046	43 296	**127 342**	**278 681**
1976	**49 878**	56 408	49 770	**106 178**	86 995	43 212	**130 207**	**286 263**
1977	**49 445**	60 445	48 215	**108 660**	84 533	39 930	**124 463**	**282 568**
1978	**53 753**	66 457	52 547	**119 004**	85 601	41 182	**126 783**	**299 540**
1979	**56 614**	68 328	53 720	**122 048**	87 055	41 863	**128 918**	**307 580**
1980	**54 370**	66 278	51 029	**117 307**	86 872	43 438	**130 310**	**301 987**
1981	**48 402**	62 774	49 796	**112 570**	87 882	43 142	**131 024**	**291 996**
1982	**40 214**	53 484	43 641	**97 125**	82 892	39 871	**122 763**	**260 102**

* Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-202, Census of manufactures.

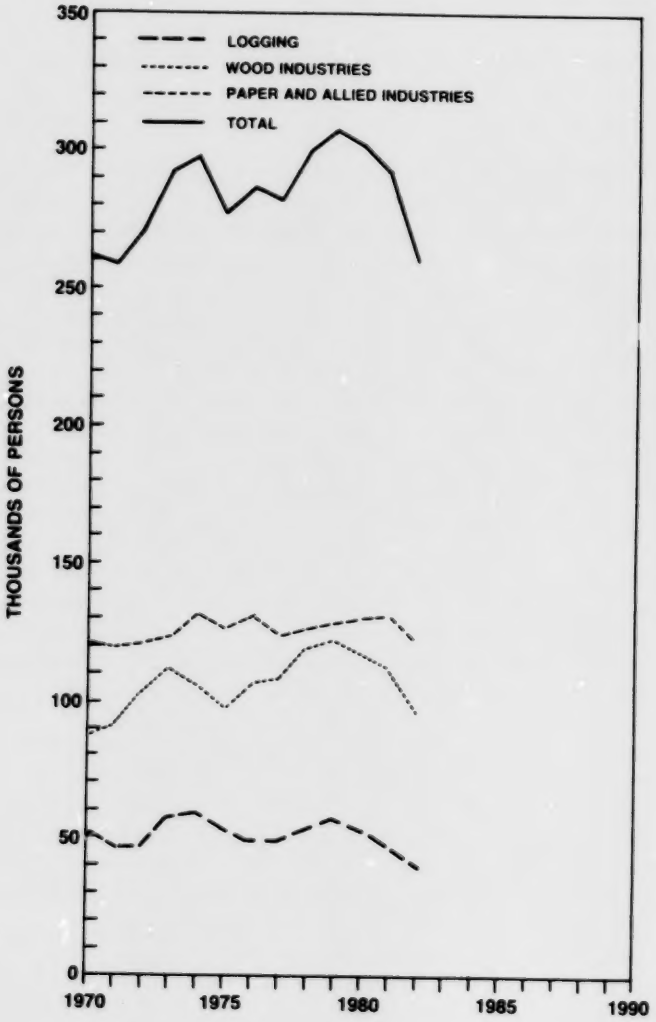

FIGURE 21 EMPLOYMENT IN THE FOREST INDUSTRIES BY SECTOR, 1970-1982.

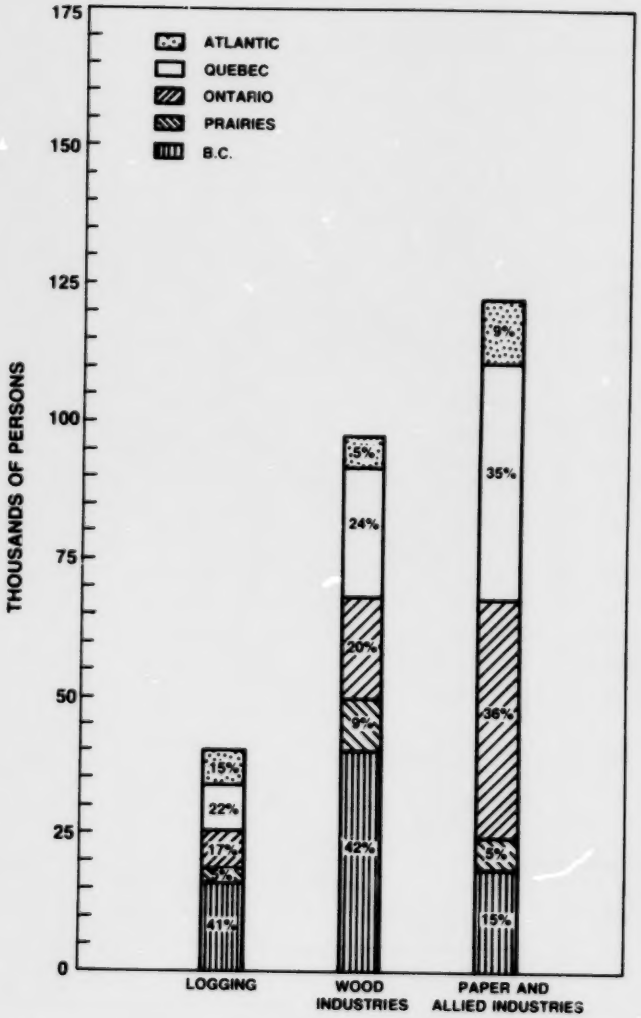

FIGURE 22 EMPLOYMENT IN THE FOREST INDUSTRIES BY SECTOR AND BY REGION, 1982.

V - 3. EMPLOYMENT BY FOREST INDUSTRY SECTOR AND BY PROVINCE*, 1970-1982

Sector/year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada**
A. Logging											
1970	2 439	-	1 523	3 599	14 815	9 567	386	549	747	18 581	**52 230**
1971	1 778	-	1 427	3 466	12 521	8 125	432	518	652	18 364	**47 284**
1972	1 881	-	1 273	3 348	12 364	7 783	520	626	782	18 976	**47 553**
1973	2 404	-	1 524	4 533	14 690	8 983	563	677	1 306	22 906	**57 586**
1974	2 579	-	1 675	4 741	16 115	9 673	693	843	1 456	21 716	**59 491**
1975	2 319	-	1 592	4 134	17 288	8 028	769	851	1 141	17 500	**53 622**
1976	1 588	-	1 117	3 852	13 135	7 694	670	616	1 052	20 154	**49 878**
1977	1 625	-	1 098	3 547	11 834	8 447	567	511	980	20 836	**49 445**
1978	1 324	-	1 229	4 269	11 959	9 569	578	616	1 041	23 168	**53 753**
1979	x	x	1 178	4 377	13 065	9 684	500	682	1 151	24 474	**56 614**
1980	x	x	1 083	4 140	11 575	9 578	527	605	1 020	24 270	**54 370**
1981	1 580	5	1 030	3 808	11 257	9 003	578	599	981	19 561	**48 402**
1982	1 614	12	1 021	3 188	8 994	7 079	449	575	653	16 429	**40 214**
B. Wood Industries											
1970	429	59	2 182	3 605	19 483	16 664	1 233	933	4 852	38 329	**87 829**
1971	447	69	1 889	3 570	19 975	16 835	1 330	1 035	5 002	41 652	**91 846**
1972	448	65	2 065	3 886	23 200	18 598	1 634	1 228	5 717	45 819	**102 699**
1973	505	72	1 982	3 967	25 592	20 662	1 943	1 236	6 065	49 547	**111 600**
1974	538	75	2 124	4 225	24 771	20 507	1 979	1 241	6 241	44 866	**106 620**
1975	462	x	2 210	3 838	23 959	19 284	1 957	1 593	5 614	38 655	**97 717**
1976	392	87	2 234	3 949	25 239	19 872	1 903	1 552	6 250	44 645	**106 178**
1977	380	110	2 001	3 487	25 345	20 110	1 835	1 656	6 100	47 605	**108 660**
1978	414	194	2 203	3 759	29 132	21 942	1 998	1 803	6 571	50 955	**119 004**
1979	374	x	2 151	4 338	29 782	22 902	2 060	1 867	6 967	51 369	**122 048**
1980	330	162	1 980	4 245	29 213	21 348	1 993	1 596	6 634	49 708	**117 307**
1981	334	128	1 802	3 956	27 976	20 970	2 158	1 620	6 904	46 627	**112 570**
1982	263	112	1 617	3 163	23 608	19 015	1 867	1 399	5 791	40 230	**97 125**

V - 3. EMPLOYMENT BY FOREST INDUSTRY SECTOR AND BY PROVINCE*, 1970-1982

Sector/year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada**
C. Paper and allied industries											
1970	x	-	2 850	5 575	43 743	44 894	1 835	x	1 622	17 089	**121 080**
1971	x	-	3 077	5 603	42 125	43 867	1 902	x	1 562	18 327	**119 709**
1972	x	-	3 043	5 505	41 988	44 580	2 192	x	1 680	18 804	**120 758**
1973	x	-	3 253	5 595	41 427	45 391	2 182	x	1 743	19 782	**123 138**
1974	x	-	3 319	5 925	45 367	47 404	x	x	2 155	20 768	**131 275**
1975	x	-	3 309	5 898	44 695	45 178	2 284	x	2 208	20 225	**127 342**
1976	x	-	3 336	6 433	45 923	45 645	2 240	x	2 336	20 404	**130 207**
1977	x	-	3 338	6 124	43 633	43 488	2 089	x	2 254	20 320	**124 463**
1978	x	-	3 513	5 980	43 736	45 209	2 159	x	2 338	20 655	**126 783**
1979	x	-	3 175	6 145	44 333	46 172	x	x	2 575	20 998	**128 918**
1980	x	-	3 163	6 016	43 556	47 861	2 408	x	2 384	21 540	**130 310**
1981	x	-	3 340	x	45 011	47 381	2 361	x	2 499	20 660	**131 024**
1982	x	-	2 918	5 524	43 144	43 917	2 300	x	2 511	18 875	**122 763**
D. Forest industries											
1970	x	x	6 555	12 779	78 041	71 125	3 454	x	7 221	73 999	**261 139**
1971	x	x	6 393	12 639	74 621	68 827	3 664	x	7 216	78 343	**258 839**
1972	x	x	6 381	12 739	77 552	70 961	3 846	x	8 179	83 599	**271 010**
1973	x	x	6 759	14 095	81 709	75 036	4 688	x	9 114	92 235	**292 324**
1974	x	x	7 118	14 891	86 253	77 584	x	x	9 852	87 350	**297 386**
1975	x	x	7 111	13 870	85 942	72 490	5 010	x	8 963	76 380	**278 681**
1976	x	x	6 687	14 234	84 297	73 211	4 813	x	9 638	85 203	**286 263**
1977	x	x	6 437	13 158	80 812	72 045	4 491	x	9 334	88 761	**282 568**
1978	x	x	6 945	14 008	84 827	76 720	4 735	x	9 850	94 778	**299 540**
1979	x	x	6 504	14 860	87 180	78 758	x	x	10 693	96 841	**307 580**
1980	x	x	6 226	14 446	84 344	78 787	4 928	x	10 038	95 518	**301 987**
1981	x	x	6 172	x	84 244	77 354	5 097	x	10 384	86 848	**291 996**
1982	x	x	5 556	11 875	75 746	70 011	4 616	x	9 155	75 534	**260 102**

* Census of manufactures.

** Including Yukon and Northwest Territories.

Source: Statistics Canada Cat. No. 25-202.

SECTION VI

SELLING PRICE INDEXES

VI - 1. SELECTED FOREST INDUSTRY SELLING PRICE INDEXES, 1956-1983
(1971 = 100)

Year	Wood industries	Sawmills and planing mills	Shingle mills	Veneer and plywood mills	Paper and allied industries	Pulp and paper mills	All manufacturing industries
1956	71.8	77.1	55.2	84.7	82.7	84.1	79.4
1960	70.0	73.2	50.4	74.2	84.6	85.7	82.2
1965	76.8	79.7	66.4	80.1	89.0	91.1	86.2
1970	89.6	86.7	81.9	90.0	99.8	100.5	98.1
1971	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1972	122.2	126.6	139.9	119.9	100.9	100.5	104.4
1973	151.9	162.1	162.9	137.9	112.1	113.3	116.1
1974	149.1	147.4	141.6	154.2	151.6	157.1	138.1
1975	151.3	145.9	175.2	159.2	178.4	189.1	153.7
1976	167.9	163.8	223.8	169.5	182.8	191.7	161.6
1977	188.7	190.7	270.5	175.2	193.5	204.6	174.3
1978	225.3	231.9	312.5	220.6	204.2	216.4	190.4
1979	260.8	274.7	309.2	242.2	239.6	258.2	217.9
1980	244.6	243.3	300.3	237.9	277.2	300.1	247.2
1981	245.4	229.8	300.6	266.4	306.1	329.5	272.4
1982	238.6	220.2	290.1	239.5	317.3	336.1	288.8
1983	264.8	252.2	342.2	256.3	307.3	317.5	298.8

Source: Statistics Canada Cat. No. 62-011.

VI - 2. SELLING PRICE INDEXES - SELECTED WOOD PRODUCTS, 1956-1983
(1971 = 100)

	Softwood lumber				Hardwood lumber	Plywood		
Year	Spruce	Hemlock	White pine	Douglas-fir	Yellow birch	Douglas-fir	Spruce and pine	Particleboard sanded
1956	86.6	80.5	72.8	74.6	85.2	81.5	..	..
1960	82.2	76.4	77.1	68.4	88.8	66.3	..	..
1965	82.6	80.2	78.4	77.0	94.0	76.1	..	..
1970	79.8	88.5	95.1	83.2	102.7	88.0	82.3	..
1971	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1972	136.0	126.6	114.2	120.1	109.5	121.1	127.8	..
1973	167.8	173.7	151.3	160.5	136.1	139.0	137.1	..
1974	133.9	161.7	164.4	147.3	153.6	153.8	138.3	..
1975	131.8	158.8	146.9	145.6	148.5	161.0	150.2	..
1976	159.5	173.5	152.6	168.7	155.4	173.8	167.2	149.0
1977	188.8	204.0	165.8	204.5	167.4	177.5	170.1	171.3
1978	242.9	239.2	200.5	243.4	187.0	228.8	212.6	215.9
1979	275.9	315.3	239.4	303.2	224.8	244.5	222.6	192.2
1980	219.4	289.1	250.1	249.3	218.6	240.3	219.8	234.1
1981	208.2	251.5	240.4	233.4	208.3	271.0	257.8	280.9
1982	188.7	247.1	237.2	209.3	200.4	244.2	201.8	284.9
1983	246.4	269.1	249.0	241.3	209.1	255.0	244.1	278.4

Source: Statistics Canada Cat. No. 62-011.

VI - 3. SELLING PRICE INDEXES - SELECTED PULP AND PAPER PRODUCTS, 1956-1983
(1971 = 100)

Year	Sulphite paper grades bleached for export	Sulphate paper grades bleached for export	Newsprint white in rolls export	Book and printing paper	Fine papers	Wrapping	Paperboard
1956	92.2	88.6	...	71.2	72.7	80.6	97.0
1960	87.6	87.8	...	78.3	80.1	86.0	97.0
1965	92.4	94.2	92.1	82.9	84.8	87.2	97.3
1970	103.2	101.5	100.8	97.1	97.9	99.9	100.1
1971	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1972	97.1	93.4	102.8	103.4	102.5	98.8	103.2
1973	120.6	117.5	109.4	119.6	116.9	108.5	114.0
1974	191.8	187.7	136.7	154.2	152.4	144.6	141.9
1975	235.9	238.9	172.2	163.9	162.5	163.0	153.4
1976	218.8	230.6	177.6	164.8	161.6	155.7	162.5
1977	220.8	233.1	210.4	173.6	165.0	155.4	166.7
1978	210.2	213.1	236.4	190.5	173.6	164.5	171.7
1979	279.4	278.9	268.0	221.2	197.7	193.4	200.2
1980	342.1	341.0	300.2	245.9	219.0	225.8	238.5
1981	356.3	358.9	342.7	273.7	242.1	247.9	272.4
1982	341.1	339.4	358.9	286.4	256.4	263.2	279.4
1983	303.7	293.9	337.6	291.6	257.6	267.3	288.6

Source: Statistics Canada Cat. No. 62-011.

SECTION VII

FINANCIAL STATISTICS AND ECONOMIC INDICATORS

VII - 1. CORPORATE PROFITS AND PROFITABILITY* - FOREST INDUSTRIES, 1970-1981

Year	Wood Industries			Paper and allied industries			Manufacturing Industries		
	Before tax	After tax	Profitability	Before tax	After tax	Profitability	Before tax	After tax	Profitability
	$000 000		%	$000 000		%	$000 000		%
1970	-13	-22	-0,6	229	155	3,7	2 899	1 662	5,5
1971	51	10	1,8	111	64	2,2	3 679	2 179	6,7
1972	189	90	6,0	139	65	2,4	4 361	2 590	7,5
1973	480	284	15,7	799	573	10,1	6 607	4 142	10,6
1974	188	94	6,2	1 337	852	12,2	8 697	5 272	11,6
1975	60	9	1,5	826	574	7,8	7 652	4 564	9,1
1976	206	94	5,1	573	343	5,4	7 367	4 542	8,5
1977	402	232	9,7	582	308	4,5	7 397	4 561	6,8
1978	750	474	15,7	1 191	817	8,9	10 085	6 492	9,7
1979	874	546	15,6	1 621	905	8,9	14 213	9 064	11,6
1980	380	242	6,4	2 465	1 604	13,0	15 139	9 417	10,6
1981	77	45	1,9	2 100	1 538	10,6	14 450	9 148	9,0

* Profitability was obtained by dividing after-tax profits plus interest on long-term debt by capital employed.

Source: Statistics Canada Cat. No. 61-207.

PROFITABILITY AND EXPENDITURES

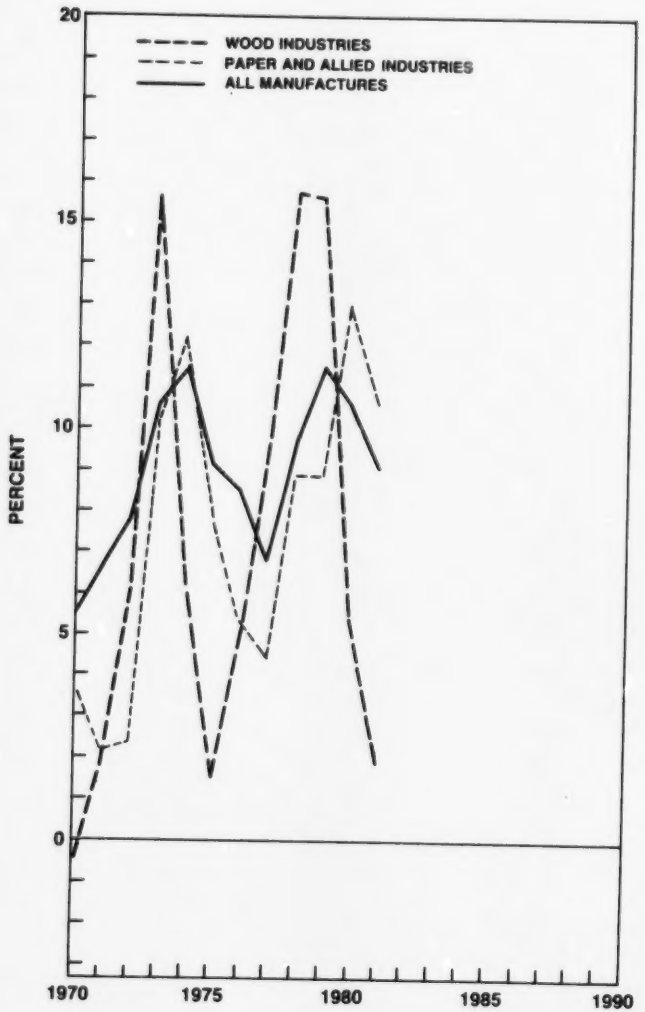

FIGURE 23 PROFITABILITY OF CORPORATIONS IN THE FOREST INDUSTRIES BY SECTOR, 1970-1981.

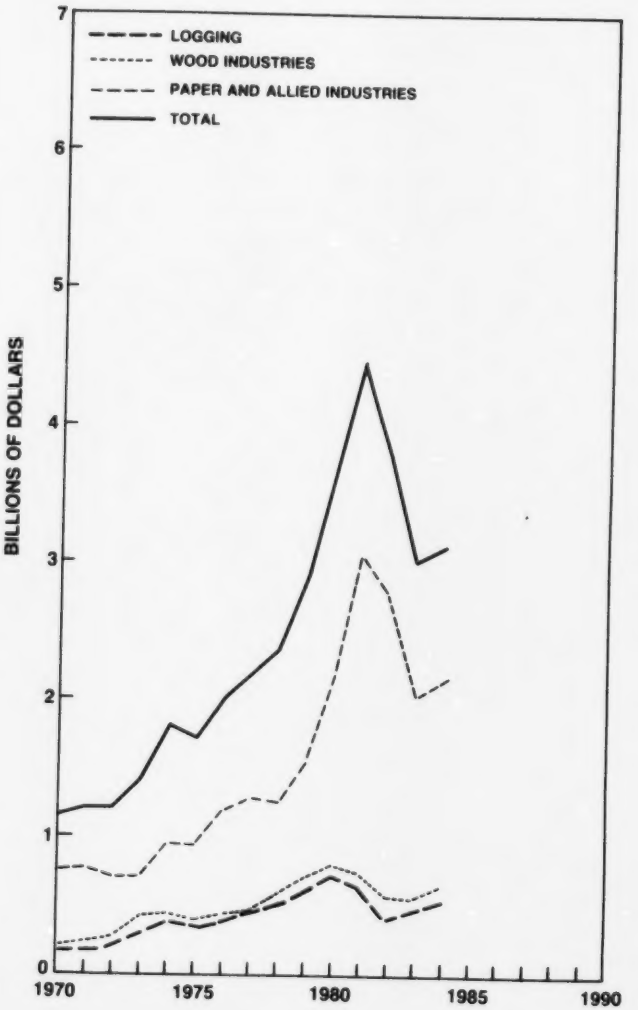

FIGURE 24 CAPITAL AND REPAIR EXPENDITURES IN THE FOREST INDUSTRIES BY SECTOR, 1970-1984.

SOURCE: STATISTICS CANADA, CAT. 25-202, 61-207.

VII - 2. TAXATION - FOREST INDUSTRIES, 1980-1982*

Province or territory	Logging			Wood Industries			Paper and allied Industries			Total			Percentage of total		
	1980	1981	1982	1980	1981	1982	1980	1981	1982	1980	1981	1982	1980	1981	1982
A. Provincial allocation of taxable income ($000)															
Nfld.	434	481	615	252	252	255	55 390	51 926	2 340	56 076	52 659	3 210	3.0	4.7	0.6
P.E.I.	-	-	-	147	--	--	x	x	-	147	--	--	--	--	--
N.S.	3 507	2 598	1 153	5 150	2 223	2 187	100 763	67 579	29 912	109 420	72 400	33 252	5.9	6.5	5.7
N.B.	2 083	2 099	1 911	3 978	2 707	2 406	x	21 207	5 030	6 061	26 013	9 347	0.3	2.3	1.6
Atlantic provinces	6 024	5 178	3 679	9 527	5 182	4 848	156 153	140 712	37 282	171 704	151 072	45 809	9.2	13.5	7.9
Quebec	12 426	11 330	12 442	63 332	43 287	33 862	487 297	205 782	153 534	563 055	260 399	199 838	30.3	23.2	34.4
Ontario	11 544	8 641	9 334	x	57 916	33 623	411 622	365 474	141 090	423 166	432 031	184 047	22.7	38.6	31.7
Manitoba	x	x	x	2 875	3 635	3 151	9 538	8 735	10 253	12 413	12 370	13 404	0.7	1.1	2.3
Sask.	x	-	-	3 290	2 802	1 501	34 567	5 789	x	37 857	8 591	1 501	2.0	0.8	0.2
Alberta	2 902	x	x	15 282	12 832	8 696	54 735	39 574	34 232	72 919	52 406	42 928	3.9	4.7	7.4
Prairies	2 902			21 447	19 269	13 348	98 840	54 735	44 485	123 189	73 367	57 833	6.6	6.6	10.0
B.C.	112 440	54 397	44 607	178 377	75 685	31 925	185 827	98 840	11 612	476 644	194 141	88 144	25.6	17.3	15.2
Yukon	x	x	x	-	-	x	-	x	x	x	x	x	x	x	x
N.W.T.	x	x	--	-	-	-	-	-	-	x	x	-	x	x	-
Other jurisdictions	x	-	-	203	50	x	x	x	x	203	50	x	--	--	--
Unallocated	914	3 971	4 400	58 665	93	113	42 655	4 887	849	102 234	8 951	5 362	5.5	0.8	0.9
Total	**146 250**	**83 517**	**74 462**	**331 551**	**201 482**	**117 719**	**1 382 394**	**835 012**	**388 852**	**1 860 195**	**1 120 011**	**581 033**	**100.0**	**100.0**	**100.0**
B. Corporate income taxes paid by forest industries ($000)															
Federal income taxes	31 400	13 200	10 300	71 100	44 100	22 100	334 000	201 600	87 200	436 500	258 900	119 600	64.9	64.2	66.8
Provincial income taxes	17 600	8 900	5 900	41 000	24 700	10 300	177 500	110 600	43 200	236 100	144 200	59 400	35.1	35.8	33.2
Total	**49 000**	**22 100**	**16 200**	**112 100**	**68 800**	**32 400**	**511 500**	**312 200**	**130 400**	**672 600**	**403 100**	**179 000**	**100.0**	**100.0**	**100.0**

* Figures for 1982 are preliminary.

VII - 3. CAPITAL AND REPAIR EXPENDITURES - LOGGING INDUSTRY, 1960-1984
(1971 = 100)

Year	Quebec	Ontario	British Columbia	Atlantic provinces	Prairie provinces	Total
			$000 000			
1960	23.8	16.3	48.1	10.4	3.8	**102.4**
1970	28.5	26.5	103.3	10.7	3.5	**172.5**
1971	27.2	26.7	109.3	11.3	7.1	**181.8**
1972	28.9	31.5	134.2	13.3	8.6	**216.0**
1973	41.7	46.0	175.2	27.9	11.2	**302.0**
1974	71.3	58.6	215.2	30.2	16.1	**391.4**
1975	74.7	59.7	179.7	23.3	21.7	**359.1**
1976	57.9	54.7	231.2	22.5	15.7	**382.0**
1977	56.6	73.5	265.3	22.6	21.5	**439.5**
1978	66.4	80.0	307.5	22.3	26.3	**503.2**
1979	94.5	97.3	343.0	26.0	28.3	**589.1**
1980	107.0	126.4	401.0	33.9	40.7	**709.0**
1981	106.2	139.1	294.9	36.4	41.0	**617.6**
1982	68.8	81.6	205.9	21.3	25.3	**402.9**
1983 p	69.4	95.5	253.3	16.2	15.5	**449.9**
1984 forecast	70.8	113.4	321.4	19.1	21.0	**545.7**

Source: Statistics Canada Cat. No. 25-202.

VII - 4. CAPITAL AND REPAIR EXPENDITURES - WOOD INDUSTRIES, 1960-1984
(1971 = 100)

Year	Quebec	Ontario	British Columbia	Atlantic provinces	Prairie provinces	Total
			$000 000			
1950	..	10.1	28.1	..	..	54.2
1960	10.5	11.9	46.4	3.1	3.7	75.6
1970	25.8	30.3	139.9	9.4	18.9	224.3
1971	26.8	25.3	158.8	7.0	26.1	244.0
1972	46.2	39.8	167.7	9.6	24.4	287.7
1973	70.6	63.2	235.4	21.3	26.3	416.8
1974	83.3	92.2	212.2	25.3	31.1	444.1
1975	76.1	80.5	183.3	26.3	42.6	408.9
1976	67.9	58.6	225.0	28.7	64.9	445.1
1977	66.8	59.0	286.7	18.5	34.9	466.0
1978	66.5	69.8	390.8	26.2	37.5	590.9
1979	89.4	80.3	466.0	19.4	60.4	715.5
1980	108.6	104.7	508.1	21.6	53.1	796.1
1981	87.7	101.7	469.5	14.2	71.4	744.5
1982	150.6	80.0	295.0	9.7	51.1	586.4
1983 p	72.8	78.4	318.6	11.9	74.5	556.2
1984 forecast	91.3	94.8	388.4	16.1	48.5	639.1

Source: Statistics Canada Cat. No. 25-202.

VII - 5. CAPITAL AND REPAIR EXPENDITURES - PAPER AND ALLIED INDUSTRIES, 1950-1984
(1971 = 100)

Year	Quebec	Ontario	British Columbia	Atlantic provinces	Prairie provinces	Total
			$000 000			
1950	45.1	44.3	33.0	*	15.8	138.2
1960	95.2	64.9	56.3	47.7	5.2	269.4
1970	152.1	162.5	192.7	191.0	60.1	758.4
1971	122.8	160.2	261.5	194.4	42.6	781.5
1972	171.4	132.7	226.1	108.9	69.3	708.4
1973	263.3	162.1	154.5	56.5	76.4	712.8
1974	348.7	251.6	230.3	93.2	44.1	967.9
1975	308.8	282.6	199.4	110.5	53.4	954.7
1976	336.2	392.4	264.4	123.8	70.0	1 186.8
1977	371.7	385.2	316.6	145.6	70.3	1 289.4
1978	390.7	289.3	339.0	157.2	84.3	1 260.5
1979	434.4	404.8	391.2	234.6	85.9	1 550.9
1980	580.7	530.7	692.5	265.9	82.4	2 152.2
1981	724.6	898.7	964.9	385.1	112.3	3 085.6
1982	724.0	810.0	674.6	479.0	88.9	2 776.5
1983 p	674.5	511.8	363.4	370.3	88.5	2 008.5
1984 forecast	806.2	544.0	407.2	249.0	121.6	2 128.0

* Included in Prairie provinces.

Source: Statistics Canada Cat. No. 25-202.

Summary for 1984

	$000 000
Logging	546
Wood industries	639
Paper and allied industries	2 128
Total	**3 313**

VII - 6. GENERAL ECONOMIC INDICATORS BY QUARTER, 1983-1984

Year	Quarter	Real gross national expenditure, percent change	Consumer price index, percent change	Unemployment rate (%)	Canadian dollar in U.S. dollar	Merchandise trade ($000 000)	Prime rate %	Toronto Stock Exchange 300
1983	1	2.0	0.6	12.5	0.8148	4 261	11.67	2 092.6
	2	1.8	1.4	12.3	0.8123	5 279	11.00	2 402.8
	3	1.9	1.6	11.6	0.8111	3 883	11.00	2 486.8
	4	1.2	0.9	11.1	0.8075	4 281	11.00	2 484.8
1984	1	0.8	1.2	11.3	0.7966	4 525	11.17	2 423.6
	2	0.8	0.9	11.4	0.7737	5 420	12.00	2 258.0
	3	1.9	0.7	11.3	0.7611	5 370	13.17	2 307.2
	4	..	..	11.1	0.7585	..	..	2 374.0

Source: Statistics Canada Cat. No. 13-004.

VII - 7. GENERAL ECONOMIC INDICATORS, 1950-1983

Year	G.N.P.* at market price		G.N.P. in constant (1971 dollar)		Implicit price index (1971 = 100)		Consumer price index		Unemployment rate	Canadian dollar in U.S. dollar	Merchandise trade	Prime rate	Conventional 5-year mortgage rate
	Value ($000 000)	Percent change	Value ($000 000)	Percent change	Value ($000 000)	Percent change	Value ($000 000)	Percent change	%		$000 000	%	%
1950	17 955	-	33 260	-	54.6	2.3	59.7	2.9	3.6	0.9554	7	4.50	5.45
1960	38 359	-	53 231	-	72.1	1.2	74.3	1.2	7.0	1.0307	-148	5.75	7.18
1970	85 685	-	88 390	-	96.9	4.6	97.2	-	5.7	0.9579	3 052	8.17	10.45
1971	94 450	10.2	94 450	6.9	100.0	3.2	10.0	2.9	6.2	0.9903	2 563	6.48	9.43
1972	105 234	11.4	100 248	6.1	105.0	5.0	104.8	4.8	6.2	1.0096	1 857	6.00	9.21
1973	123 560	17.4	107 812	7.5	114.6	9.1	112.7	7.5	5.5	0.9999	2 735	7.65	9.59
1974	147 528	19.4	111 678	3.6	132.1	15.3	125.0	10.9	5.3	1.0225	1 689	10.75	11.24
1975	165 343	12.1	113 005	1.2	146.3	10.7	138.5	10.8	6.9	0.9830	-451	9.42	11.43
1976	191 857	16.0	119 612	5.8	160.4	9.6	148.9	7.5	7.1	1.0141	1 559	10.04	11.78
1977	210 189	9.6	121 988	2.0	172.3	7.4	160.8	8.0	8.1	0.9403	2 975	8.50	10.36
1978	232 211	10.5	126 347	3.6	183.8	6.7	175.2	9.0	8.3	0.8772	4 315	9.69	10.59
1979	264 279	13.8	130 362	3.2	202.7	10.3	191.2	9.1	7.4	0.8538	4 425	12.90	11.17
1980	297 556	12.6	131 765	1.1	225.8	11.4	210.6	10.1	7.5	0.8554	8 779	14.25	14.31
1981	339 797	14.2	136 108	3.3	249.7	10.6	239.6	13.8	7.5	0.8342	7 329	19.29	18.15
1982	358 302	5.4	130 065	-4.4	275.5	10.3	265.5	10.8	11.0	0.8108	17 814	15.81	17.89
1983	390 340	8.9	134 353	3.3	290.5	5.4	280.8	5.8	11.9	0.8114	17 704	11.17	13.30

* Gross national product.

Source: Statistics Canada Cat. No. 62-010, 62-553, 67-001, 67-201, and 71-001; and Bank of Canada Review.

VII - 8. FOREST INDUSTRIES CONTRIBUTION TO CANADIAN GROSS DOMESTIC PRODUCT (G.D.P), 1970-1982

Year	G.D.P. at market price $000 000	Indirect taxes $000 000	Subsidies $000 000	G.D.P. at factor cost $000 000	Forestry Services $000 000	%	Wood Industries $000 000	%	Paper and allied industries $000 000	%	Total forest industries $000 000	%
1970	86 648.1	12 054.9	755.9	75 349.1	-	-	-	-	-	-	-	-
1971	95 070.6	13 047.6	771.9	82 794.9	669.5	0.8	831.2	1.0	1 566.4	1.9	3 067.1	3.7
1972	106 517.0	14 759.9	883.9	92 641.1	767.7	0.8	1 162.0	1.3	1 707.6	1.9	3 637.3	3.9
1973	125 339.1	16 685.9	1 087.9	109 741.1	980.1	0.9	1 663.6	1.5	2 149.4	2.0	4 793.1	4.4
1974	150 406.7	20 876.0	2 619.1	126 911.6	1 111.8	0.9	1 480.5	1.2	3 406.8	2.7	5 999.1	4.7
1975	168 185.7	21 441.9	3 857.9	150 601.7	1 080.9	0.7	1 456.6	1.0	2 945.5	2.0	5 483.0	3.7
1976	194 902.0	24 864.0	3 344.0	173 382.0	1 339.8	0.8	1 936.0	1.1	3 436.3	2.0	6 712.1	3.9
1977	213 536.0	27 227.0	3 320.0	189 629.0	1 494.0	0.8	2 440.8	1.3	3 561.6	1.9	7 496.4	4.0
1978	238 219.0	29 090.0	3 527.0	212 656.0	1 681.0	0.8	3 010.2	1.4	4 027.1	1.9	8 718.3	4.1
1979	272 175.0	32 533.0	4 805.0	244 447.0	2 026.9	0.8	3 436.2	1.4	5 051.3	2.1	10 514.4	4.3
1980	305 680.0	36 261.0	7 352.0	276 771.0	2 133.1	0.8	3 019.5	1.1	5 934.7	2.2	11 087.3	4.0
1981	351 576.0	46 398.0	8 502.0	313 680.0	2 037.4	0.7	2 935.2	1.0	6 124.8	2.0	11 097.4	3.5
1982	369 605.0	48 573.0	7 793.0	328 825.8	1 824.2	0.6	2 333.1	0.7	5 316.3	1.6	9 473.6	2.9

Source: Statistics Canada Cat. No. 13-213 and 61-202.

VII - 9. FOREST INDUSTRIES CONTRIBUTION TO CANADIAN GROSS DOMESTIC PRODUCT (G.D.P.) BY PROVINCE, 1982

Province	G.D.P. at market price $000 000	Indirect taxes $000 000	Subsidies $000 000	G.D.P. at factor cost $000 000	Forestry Services $000 000	%	Wood Industries $000 000	%	Paper and allied Industries $000 000	%	**Total forest industries $000 000**	**%**
Nfld.	4 698	585	248	4 361	55.4	1.3	5.0	0.1	x	x	x	x
P.E.I.	990	113	67	944	0.2	--	1.5	0.2	-	-	**1.7**	-
N.S.	8 299	1 184	574	7 689	29.5	0.4	28.7	0.4	143.4	1.9	**201.6**	**2.7**
N.B.	6 630	941	414	6 103	94.3	1.5	50.1	0.8	198.4	3.3	**342.8**	**5.6**
Altantic	20 617	2 823	1 303	19 097	179.4	0.9	85.1	0.4	x	x	x	x
Que	83 236	12 245	2 143	73 134	324.0	0.4	553.2	0.8	1 908.6	2.6	**2 785.8**	**3.8**
Ont.	137 183	19 175	1 855	119 863	319.6	0.3	455.5	0.4	1 676.1	1.4	**2 451.2**	**2.1**
Man.	13 930	1 743	458	12 645	15.8	0.1	41.6	0.3	102.2	0.8	**159.6**	**1.2**
Sask.	15 702	1 918	489	14 273	30.0	0.2	20.3	0.1	x	x	x	x
Alta.	53 056	4 767	733	49 022	40.2	0.1	134.0	0.3	172.3	0.4	**346.5**	**0.8**
Prairies	82 688	8 428	1 680	75 940	86.0	0.1	195.9	0.3	x	x	x	x
B.C.	44 709	5 822	776	39 663	915.2	2.3	1 042.7	2.6	930.7	2.4	**2 888.6**	**7.3**
Yukon and N.W.T.	1 172	80	36	1 128	-	-	0.6	0.1	-	-	**0.6**	**0.1**
Total	**369 605**	**48 573**	**7 793**	**328 825**	**1 824.2**	**0.6**	**2 333.1**	**0.7**	**5 316.3**	**1.6**	**9 473.7**	**2.9**

Source: Statistics Canada Cat. No. 13-213 and 61-202.

SECTION VIII

RELATED DATA

VIII - 1. REVENUE FREIGHT LOADED ON RAILWAYS, 1981-1983

Commodity	1981		1982		1983	
			1 000t			
Forest products						
Pulpwood	2 662		2 579		3 023	
Wood chips	8 495		7 381		8 079	
Logs, poles, posts and other roundwood	2 316		1 468		1 345	
		13 473		11 438		12 447
Lumber	6 309		6 232		8 301	
Veneer and plywood	1 087		827		1 140	
		7 396		7 059		9 441
Woodpulp	5 175		4 813		5 600	
Newsprint	4 367		4 047		4 048	
Paperboard, pulpboard, and fiberboard	894		610		581	
Other paper	1 119		867		724	
		11 555		10 337		10 953
Total forest products		**32 424**		**28 824**		**32 841**
Mineral and products						
Iron ore	49 321		35 449		30 432	
Coal	23 507		24 484		25 847	
Potash	9 714		7 667		9 137	
Other minerals	35 286		26 774		27 570	
		117 828		94 374		92 986
Grain and grain products		30 903		35 682		37 263
Other agriculture and animal products, food and beverages		4 439		3 887		3 855
Petroleum products		9 752		8 809		8 062
Iron and steel (primary and manufactured)		4 835		3 021		3 286
Miscellaneous fabricate materials & end products		29 508		24 839		28 325
Total carload traffic		**229 690**		**199 436**		**206 618**
Less than carload traffic		502		424		403
Total		**230 192**		**199 860**		**207 021**

Note: Forest products accounted for 14% of railway carloadings in 1981 and 1982, and to 16% in 1983. In addition, the forest industry purchases a considerable volume of chemicals, fuels, machinery, and other items that are shipped by rail.

Source: Statistics Canada Cat. No. 52-001.

VIII - 2. DWELLING UNITS* STARTED BY PROVINCE, 1950-1983

Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Canada
1950	2 090	333	2 705	2 323	7 451	28 515	33 430	4 072	2 904	8 623	15 599	7 536	**92 531**
1960	2 026	272	4 047	1 780	8 125	28 589	42 282	5 132	4 339	8 387	17 858	12 004	**108 858**
1970	2 636	784	5 878	3 182	12 480	47 118	76 675	8 945	1 743	16 251	26 939	27 316	**190 528**
1971	3 658	1 363	7 308	4 930	17 259	51 782	89 980	10 705	3 560	25 602	39 867	34 765	**233 653**
1972	3 901	1 079	5 164	6 358	16 502	55 746	102 933	12 068	4 845	22 503	39 416	35 317	**249 914**
1973	4 831	2 122	7 734	7 235	21 922	59 550	110 536	11 531	6 386	20 977	38 894	37 627	**268 529**
1974	4 911	1 334	6 008	5 861	18 114	51 642	85 503	8 752	7 684	19 008	35 444	31 420	**222 125**
1975	5 342	847	6 366	6 983	19 538	54 741	79 968	7 845	10 505	24 707	43 057	34 152	**231 456**
1976	5 709	842	7 470	6 772	20 793	68 748	84 682	9 339	13 143	38 771	61 253	37 727	**273 203**
1977	3 719	824	7 495	4 308	16 346	57 580	79 130	9 410	12 825	38 075	60 310	32 358	**245 724**
1978	2 865	1 210	4 853	5 167	14 095	43 671	71 710	12 121	9 527	47 925	69 573	28 618	**227 667**
1979	2 999	1 068	4 538	5 021	13 626	41 730	56 887	5 772	11 742	39 947	57 461	27 345	**197 049**
1980	3 848	475	3 895	2 646	10 864	29 186	40 127	2 597	6 250	32 031	40 878	37 546	**158 601**
1981	3 210	203	3 715	2 188	9 316	29 645	50 161	2 824	5 972	38 470	47 266	41 585	**177 973**
1982	2 793	248	3 691	1 680	8 412	23 492	38 508	2 030	6 822	26 789	35 641	19 807	**125 860**
1983	3 281	673	5 697	4 742	14 393	40 318	54 939	5 985	7 269	17 134	30 388	22 607	**162 645**

* Dwelling unit is defined as a structurally separate set of living premises with a private entrance (excluding mobile dwellings).

Source: Statistics Canada Cat. No. 64-002.

VIII - 3. VALUE OF BUILDING CONSTRUCTION IN CANADA, 1961-1984

Year	Residential	Industrial	Commercial	Institutional	Other	Total
			$000 000			
1961	1 951	411	754	647	380	4 143
1962	2 100	492	719	827	405	4 543
1963	2 257	535	737	857	306	4 692
1964	2 604	666	846	766	297	5 179
1965	2 752	775	1 015	1 019	344	5 905
1966	2 843	1 001	1 250	1 171	397	6 662
1967	3 065	870	1 221	1 258	412	6 826
1968	3 587	744	1 146	1 379	402	7 258
1969	4 228	869	1 152	1 335	472	8 056
1970	4 008	1 000	1 287	1 330	473	8 098
1971	4 976	1 023	1 405	1 456	507	9 367
1972	5 871	927	1 706	1 249	575	10 328
1973	7 165	1 162	2 211	1 200	666	12 404
1974	8 461	1 556	2 969	1 383	877	15 246
1975	8 690	1 537	3 732	1 561	1 089	16 609
1976	12 669	1 479	3 628	1 594	1 101	20 471
1977	13 126	1 758	3 639	1 662	1 123	21 308
1978	13 780	1 586	3 876	1 682	1 310	22 234
1979	14 267	2 096	5 098	1 831	1 414	24 706
1980	13 872	3 025	5 912	2 171	1 560	26 540
1981	16 365	3 611	6 989	2 593	1 979	31 537
1982	13 581	3 044	7 063	3 092	2 062	28 842
1983	16 683	2 502	6 228	3 198	1 988	30 599
1984(forecast)	17 240	2 739	5 817	3 184	2 139	31 119

Source: Total value of construction work purchased - type of structure, Statistics Canada Cat. No. 64-201.

SECTION IX

WORLD FORESTRY

IX - 1. WORLD FOREST RESOURCES - FOREST AREAS AND GROWING STOCK BY REGION AND SPECIES GROUP

Continents and countries	Forest areas		Growing stock		Coniferous		Broadleaved	
	1 000 000 ha				1 000 000 m^3			
Total North America**	539		39 700		28 500		11 400	
Canada		342*		19 600*		15 500		4 100
United States		197**		20 100**		12 800		7 300
Central America and Mexico	60		5 500		1 900		3 600	
South America	560		91 500		900		90 600	
Africa	190		25 000		200		24 800	
Europe, without USSR	140		12 000		8 000		4 000	
USSR+	811		85 900		65 300		20 600	
Asia	400		38 000		6 000		32 000	
Oceania	80		6 000		700		5 300	
World	**2 780**		**303 600**		**111 300**		**192 300**	

* Canada's Forest Inventory, 1981.
** Forest Statistics of the U.S., 1977.
\+ Forest Resources Inventory.

Source: Reidar Persson (Stockholm), 1974. World Forest Resources. Food and Agriculture Organization of the United Nations.
Clbula, E.J. Trends in timber supply and trade-in information review 1980. Department of the Environment, London.

IX - 2. WORLD PRODUCTION OF ROUNDWOOD, 1982

Continents and countries	Industrial roundwood				Fuelwood and charcoal	Total round-wood
	Logs and bolts	Pulpwood	Other roundwood	Total		
				1 000 m^3		
Total North America	254 895	163 620	13 258	431 773	104 445	**536 218**
Canada	93 675*	41 335	1 789	136 799	5 523*	**142 322**
United States	161 220*	122 285	11 469	294 974	98 922*	**393 896**
Central America	7 601	2 557	878	11 036	42 167	**53 203**
Mexico	3 879	2 457	162	6 498	12 964*	**19 462**
South America	45 644	26 140	6 847	78 631	204 741	**283 372**
Brazil*	31 744	20 900	4 855	57 499	158 964	**216 463**
Africa	22 924	5 832	21 049	49 805	403 473	**453 278**
Europe	145 929	103 632	25 092	274 653	54 618	**329 271**
Economic Community	38 614	21 893	4 816	65 323	19 845	**85 168**
EEC minus United Kingdom	35 664	20 725	4 385	60 774	19 693	**80 467**
Belgium-Luxembourg	1 510	570	245	2 325	332	**2 657**
Denmark	2 016	287	369	2 672	379	**3 051**
France	17 912	8 509	994	27 415	10 412*	**37 827**
Germany Fed. Rep.	12 050	9 630	1 324	23 004	4 000	**27 004**
Ireland	547	480	27	1 054	46	**1 100**
Italy	1 449	917	1 191	3 557	4 433	**7 990**
Netherlands	180	332	235	747	91	**838**
United Kingdom	2 950	1 168	431	4 549	152	**4 701**
Scandinavia	42 125	46 435	1 600	90 160	9 068	**99 228**
Finland	15 130	18 680	1 350	35 160	4 049	**39 209**
Norway	4 610	4 030	80	8 720	595	**9 315**
Sweden	22 385	23 725	170	46 280	4 424*	**50 704**
Other European countries	65 190	35 304	18 676	119 170	25 705	**144 875**
USSR	152 000*	37 700	87 600	277 300	80 900	**358 200**
Asia	138 011	19 285	50 573	207 869	702 300	**910 169**
Japan	20 396	10 383	1 454	32 233	586	**32 819**
Oceania	15 831	9 717	1 241	26 789	7 969	**34 758**
World	**782 834**	**368 483**	**206 540**	**1 357 857**	**1 600 613**	**2 958 470**

* FAO estimate.

Source: Food and Agriculture Organization of the United Nations. 1982 Yearbook of Forest Products.

IX - 3. WORLD INDUSTRIAL ROUNDWOOD PRODUCTION BY SPECIES GROUP, 1982

Continents and countries	Softwoods	Hardwoods	Total
		1 000 m^3	
Total North America	353 332	78 441	431 773
Canada	127 329	9 470*	136 799
United States	226 003	68 971	294 974
Central America	7 608	3 428	11 036
Mexico	5 934	564	6 498
South America	30 415	48 216	78 631
Brazil*	23 383	34 116	57 499
Africa	7 481	42 324	49 805
Europe	198 736	75 917	274 653
Economic Community	41 037	24 286	65 323
EEC minus United Kingdom	37 583	23 191	60 774
Belgium-Luxembourg	1 504	821	2 325
Denmark	2 065	607	2 672
France	13 726	13 689	27 415
Germany Fed. Rep.	17 468	5 536	23 004
Ireland	1 041	13	1 054
Italy	1 230	2 327	3 557
Netherlands	549	198	747
United Kingdom	3 454	1 095	4 549
Scandinavia	79 265	10 895	90 160
Finland	30 060	5 100	35 160
Norway	8 410	310	8 720
Sweden	40 795	5 485	46 280
Other European countries	78 434	40 736	119 170
USSR	246 100	31 200	277 300
Asia	77 843	130 026	207 869
Japan	21 071	11 162	32 233
Oceania	14 364	12 424	26 789
World	**935 880**	**421 977**	**1 357 857**

* FAO estimate.

Note: Canada produces about 14% of the world output of softwood (coniferous) timber.

Source: Food and Agriculture Organization of the United Nations. 1982 Yearbook of Forest Products.

IX - 4. WORLD OUTPUT OF LUMBER, 1982

Continents and countries	Lumber			Railway ties	Total lumber and railway ties
	Softwoods	Hardwoods	Total		
			1 000 m^3		
Total North America	85 682	12 391	98 073	210	98 283
Canada	36 082	1 091	37 173	...	37 173
United States	49 600	11 300	60 900	210	61 110
Central America	2 116	975	3 091	356	3 447
Mexico	1 280	81	1 361	308	1 669
South America	8 502	12 866	21 368	138	21 506
Brazil*	7 475	8 377	15 852	-	15 852
Africa	2 260	5 697	7 957	346	8 304
Europe	64 581	17 221	81 802	1 480	83 282
Economic Community	15 747	7 401	23 148	605	23 753
EEC minus United Kingdom	14 522	6 941	21 463	603	22 066
Belgium-Luxembourg	370	250	620	51	671
Denmark	400	400	800	29	829
France	5 348	3 391	8 739	319	9 058
Germany Fed. Rep.	7 038	1 558	8 596	119	8 715
Ireland	224	14	238	-	238
Italy	1 070	1 196	2 266	85	2 351
Netherlands	72	132	204	-	204
United Kingdom	1 225	460	1 685	2	1 687
Scandinavia	20 457	290	20 747	83	20 829
Finland	7 230	70	7 300	56	7 356
Norway	2 250	10	2 260	2	2 261
Sweden	10 977	210	11 187	25*	11 212
Other European countries	28 377	9 530	37 907	792	38 700
USSR	84 000	12 000	96 000	...	96 000
Asia	44 486	37 826	82 312	796	83 108
Japan	26 445	6 023	32 468	69	35 537
Oceania	3 476	2 213	5 689	225	5 914
World	**295 103**	**101 188**	**396 291**	**3 551**	**399 843**

* FAO estimate.

Note: Because the Canada and the United States production is based largely on nominal sizes, the actual wood volume is overstated by about one-third of these countries.

Source: Food and Agriculture Organization of the United Nations. 1982 Yearbook of Forest Products.

IX - 5. WORLD OUTPUT OF PANEL PRODUCTS, 1982

Continents and countries	Plywood	Particle-board	Veneer sheets	Hardboard and building board	Rigid insulating board	Total panels
			1 000 m^3			
Total North America	14 982	5 762	474	1 708	3 358	26 284
Canada	1 682	562	474	108	458	3 284
United States	13 300	5 200	--	1 600	2 900	23 000
Central America	384	436	19	26	13	877
Mexico	313	412	10	26	--	761
South America	1 194	1 112	362	666	338	3 672
Brazil*	902	660	234	540	303	2 639
Africa	396	414	332	47	33	1 222
Europe	3 306	22 404	1 424	2 718	1 228	31 080
Economic Community	1 404	11 986	824	589	181	14 984
EEC minus United Kingdom	1 388	11 471	802	543	127	14 331
Belgium-Luxembourg	68	1 650	33	--	4	1 755
Denmark	30	244	6	--	--	280
France	477	1 988	58	130	48	2 701
Germany Fed. Rep.	331	5 486	235	193	50	6 295
Ireland	--	42	--	--	--	42
Italy	462	2 002	470	220*	--	3 154
Netherlands	20	59	--	--	25	104
United Kingdom	16	515	22	46	54	653
Scandinavia	718	1 951	18	465	448	3 600
Finland	596	636	18	106	133	1 489
Norway	10	363	--	68	167	608
Sweden	112	952	--	291	148	1 503
Other European countries	1 184	8 467	582	1 664	599	12 496
USSR	1 952	5 467	476*	1 639	1 446	10 980
Asia	14 525	2 072	722	1 096	317	18 732
Japan	6 740	1 232	300*	259	305	8 836
Oceania	161	804	58	203	45	1 271
World	**36 900**	**38 470**	**3 866**	**8 103**	**6 778**	**94 118**

* FAO estimate.

Source: Food and Agriculture Organization of the United Nations. 1982 Yearbook of Forest Products.

IX - 6. WORLD OUTPUT OF PULP, 1982

Continents and countries	Chemical	Semi-chemical	Mechanical	Dissolving	Total wood pulp
			1 000 t		
Total North America	45 753	3 611	11 436	1 351	62 151
Canada	9 939	255	6 811	313	17 318
United States	35 814	3 356	4 625	1 038	44 833
Central America	400	--	56	4	460
Mexico	400	--	53	4**	457
South America	3 424	293	354	43	4 114
Brazil**	2 536	147	208	38	2 929
Africa	758	91	418	420	1 686
Europe	17 322	1 450	8 898	1 297	28 967
Economic Community	2 090	423	2 516	298	5 327
EEC minus United Kingdom	2 090	340	2 455	298	5 183
Belgium-Luxembourg	218	--	140	--	358
Denmark	--	57*	--	--	57
France	1 224	118	407	94	1 843
Germany Fed. Rep.	573	69	1 210	169	2 021
Ireland	--	--	--	--	--
Italy	75	96*	498*	35	704
Netherlands	--	--	200	--	200
United Kingdom	--	83*	61*	--	144
Scandinavia	9 964	609	4 969	401	15 943
Finland	3 887	309	2 326	192	6 714
Norway	463	67	881	112	1 523
Sweden	5 614	233	1 762	97**	7 706
Other European countries	5 268	418	1 413	598	7 697
USSR	6 170	338	1 777	782	9 067
Asia	8 366	620	2 772	427	12 185
Japan	6 182	595	1 512	274	8 563
Oceania	783	249	855	--	1 887
World	**82 975**	**6 652**	**26 566**	**4 324**	**120 517**

* Unofficial figure.
** FAO estimate.

Note: Canada produces about 14% of the world ouput of wood pulp.

Source: Food and Agriculture Organization of the United Nations. 1982 Yearbook of Forest Products.

IX - 7. WORLD OUTPUT OF PAPER AND PAPERBOARD, 1982

Continents and countries	Newsprint	Printing and writing paper	Wrapping and packaging paper and board	Tissue and sanitary paper	Other paper and paperboard	Total
			1 000 t			
Total North America	12 691	15 390	33 444	4 023	1 923	67 471
Canada	8 117	1 480	2 314**	280**	216	12 407
United States	4 574	13 910	31 130**	3 743**	1 707	55 064
Central America	125	504	1 154	300	30	2 113
Mexico	125	452	1 106	248	-	1 914
South America	430	1 350	2 902	485	417	5 584
Brazil	106	898	1 669	227	328	3 228
Africa	321	314	778	72	192	1 678
Europe	5 901	14 942	19 968	2 572	5 381	48 765
Economic Community	1 502	8 610	10 273	1 609	1 081	23 075
EEC minus United Kingdom	1 418	7 701	8 754	1 192	824	19 889
Belgium-Luxembourg	102	436	192	87	47	864
Denmark	-	135*	76	5	13	229
France	248	2 011	2 432*	273*	103	5 067
Germany Fed. Rep.	680	2 950	3 098	542	526	7 796
Ireland	-	-	20	-	-	20
Italy	198*	1 669*	2 186*	167*	103	4 323*
Netherlands	190	500	750	118	32	1 590
United Kingdom	84*	909*	1 519*	417*	257	3 186*
Scandinavia	3 492	3 413	5 166	416	641	13 128
Finland	1 501	2 171	1 800	153	270	5 895
Norway	668	250	325	22	40	1 305
Sweden	1 323	992	3 041	241	331	5 928
Other European countries	907	2 919	4 530	547	3 659	12 562
USSR	1 532**	1 170	-	-	6 396	9 098
Asia	4 288	8 179	8 946	1 214	5 827	28 454
Japan	2 715	4 847	7 025	1 031	1 750	17 368
Oceania	677	253	1 100	151	16	2 197
World	**25 965**	**42 103**	**68 294**	**8 817**	**20 182**	**165 360**

* Unofficial figure.
** FAO estimate.

NOTE: Canada produces 31% of the world's newsprint.

Source: Food and Agriculture Organization of the United Nations. 1982 Yearbook of Forest Products.

IX - 8. WORLD EXPORTS OF FOREST PRODUCTS, 1982

Continents and countries	Roundwood	Lumber and railway ties	Panel products	Wood pulp	Paper and paperboard	Total
			U.S.$000 000			
Total North America	1 704	3 183	502	4 030	5 689	15 109
Canada	175	2 378	251	2 622	3 975	9 401
United States	1 530	805	251	1 408	1 714	5 708
Central America	9	26	14	-	37	84
Mexico	1	-	2	-	4**	7
South America	54	267	165	451	278	1 216
Brazil	11	140	105	279	174	708
Africa	551	140	94	201	114	1 101
Europe	1 040	3 665	2 009	2 545	11 241	20 500
Economic Community	457	526	1 057	231	4 356	6 630
EEC minus United Kingdom	422	510	996	227	3 827	5 986
Belgium-Luxembourg	67	81**	298**	68**	387**	902
Denmark**	18	37	46	15	112	229
France	158	132	191	76	634	1 193
Germany Fed. Rep.	148	160	293	55	1 701	2 357
Ireland	8	9	3	-	16	36
Italy	2	18**	123**	11	366**	520
Netherlands	21**	73**	42**	2	611	749
United Kingdom**	35	16	61	4	529	644
Scandinavia	154	1 795	460	1 852	5 412	9 672
Finland	90	658	325	636	2 610	4 319
Norway	26	44	18	195	473	756
Sweden	38	1 093	117	1 021	2 329	4 597
Other European countries	429	1 344	492	462	1 473	4 198
USSR	629	935	188	383*	360	2 496
Asia	2 208	1 193	1 339	51	766	5 558
Japan	6	22	67	24	509	628
Oceania	312	79	32	116	155	694
World	**6 509**	**9 487**	**4 344**	**7 778**	**18 640**	**46 757**

* Unofficial figures.
** FAO estimate.

NOTE: Canada represents 20% of total world exports of forest products.

Source: Food and Agriculture Organization of the United Nations. 1982 Yearbook of Forest Products.

IX - 9. WORLD IMPORTS OF FOREST PRODUCTS, 1982

Continents and countries	Roundwood	Lumber and railway ties	Panel products	Wood pulp	Paper and paperboard	Total
			U.S.$000 000			
Total North America	171	1 834	558	1 553	4 612	8 727
Canada	80	157	54	68	273	632
United States	91	1 677	504	1 485	4 338	8 095
Central America	28	274	68	139	849	1 359
Mexico	15	67	19**	111	380**	592
South America	9	113	40	202	621	985
Brazil	4	13	11	9	171	208
Africa	126	629	233	126	811	1 924
Europe	2 277	5 786	2 662	4 776	10 393	25 894
Economic Community	1 278	4 727	2 156	3 790	8 443	20 395
EEC minus United Kingdom	1 235	3 434	1 483	3 089	5 831	15 074
Belgium-Luxembourg	163	351**	153**	214**	730**	1 612
Denmark**	11	204	124	51	366	756
France	247	483	222	730	988	2 671
Germany Fed. Rep.	276	798	488	1 163	2 141	4 866
Ireland	4	77	37	5	180	303
Italy**	482	970	175	680	526	2 833
Netherlands**	52	551	284	246	900	2 033
United Kingdom**	43	1 293	673	701	2 612	5 321
Scandinavia	404	152	154	126	377	1 213
Finland	182	10	10	26	71	299
Norway	52	113	64	63	135	427
Sweden	170	29	80	37	171	487
Other European countries	595	907	352	860	1 573	4 286
USSR	29	81	39	141*	673	963
Asia	5 995	2 079	845	1 432	2 687	13 038
Japan	4 363	979	49	841	436	6 668
Oceania	5	247	57	110	587	1 005
World	**8 640**	**11 043**	**4 502**	**8 480**	**21 231**	**53 895**

* Unofficial figure.
** FAO estimate.

Note: Canada represents only 1% of total world import of forest products.

Source: Food and Agriculture Organization of the United Nations. 1982 Yearbook of Forest Products.

IX - 10. WORLD APPARENT CONSUMPTION OF FOREST PRODUCTS, 1982

Continents and countries	Roundwood	Lumber and railway ties	Panel products	Wood pulp	Paper and paperboard
	----------1 000 m^3----------			---------1 000 t-------	
Total North America	518 732	88 397	26 522	56 410	62 844
Canada	141 417	10 253	2 282	11 342	4 095
United States	377 315	78 144	24 240	45 069	58 749
Central America	53 255	4 783	1 070	736	3 517
Mexico	19 513	2 203	817	603	2 526
South America	282 405	21 075	3 307	3 307	6 090
Brazil	216 427	15 680	2 396	2 120	3 183
Africa	448 871	10 962	1 526	1 415	2 471
Europe	346 218	90 406	33 367	32 900	46 885
Economic Community	90 977	45 151	19 279	12 520	31 316
EEC minus United Kingdom	86 538	36 811	16 250	11 000	24 577
Belgium-Luxembourg	5 451	1 766	910	638	1 391
Denmark	2 585	1 677	597	105	723
France	36 628	10 897	3 060	3 160	6 100
Germany Fed. Rep.	27 389	12 229	6 920	4 317	9 275
Ireland	603	561	152	8	245
Italy	12 840	7 029	3 587	2 046	4 733
Netherlands	1 042	2 652	1 024	726	2 110
United Kingdom	4 439	8 340	3 029	1 520	6 739
Scandinavia	107 625	9 060	2 478	11 875	3 178
Finland	43 495	2 780	649	5 311	1 044
Norway	9 883	2 448	648	1 251	509
Sweden	54 247	3 832	1 181	5 313	1 625
Other European countries	147 616	36 195	11 610	8 505	12 391
USSR	343 711	88 956	10 165	8 402	9 080
Asia	941 315	86 858	16 787	15 232	31 539
Japan	75 968	37 512	8 938	10 237	17 390
Oceania	26 592	6 422	1 279	1 730	2 664
World	**2 961 099**	**397 860**	**94 024**	**120 132**	**165 091**

Source: Food and Agriculture Organization of the United Nations. 1982 Yearbook of Forest Products.

SECTION X

DEFINITIONS OF TERMS

DEFINITIONS OF TERMS

Balance of trade: The difference between the dollar, or money value, of a country's exports and imports of merchandise or of goods and services. If a country exports more than it imports, it has a trade surplus; if it imports more than it exports, it has a trade deficit. The balance of trade is an important part of a country's overall Balance of Payments.

Cansim (Canadian Socio-Economic Information Management System): A fully computerized data bank of Statistics Canada's current and historical information from its most widely used series of statistics.

Constant dollar: Represents the value of expenditure or production measured in terms of some fixed base period's prices. (Changes in constant dollar expenditure or production can only be brought about by changes in the physical quantities of goods purchased or produced).

Consumer price index: Measures the rate of change in a typical basket of consumer goods and services, including housing, food, and health care. It can be broken down into food and non food items, goods and services, and other components.

Employment, census of manufactures: Exclude working owners and partners of unincorporated businesses, which are separately tabulated. Respondents are asked for average number employed during the year. Production and related workers in manufacturing activity include those employees at the establishment engaged in processing, assembling, storing, inspecting, handling, packing, maintenance, repair, janitorial and watchmen services and working foremen. (Outside pieceworkers' remuneration is included in cost of materials).

Employment, labor force survey: Persons who, during the reference period: a) did any work at all, for pay or profit in the context of an employer-employee relationship, or were self-employed. It includes unpaid family work, which is defined as work contributing directly to the operation of a family farm, business, or professional practice owned or operated by a related member of the household. b) had a job but were not at work due to own illness or disability, personal or family responsibilities, bad weather, labor dispute or other reasons (excluding persons on lay-off and those with a job to start at a future date).

Establishment: The smallest unit capable of reporting certain specified input and output data; usually a plant or mill. Numbers for 1975 declined owing to the exclusion of existing establishments deemed to have no paid employees. Principal statistics of an establishment active in more than one municipality are prorated to "quasi-establishment" locations, which are treated as establishments in compilations.

Fibreboard: A broad, generic term inclusive of sheet materials of widely varying densities, manufactured or refined or partially refined wood (or other vegetable) fibers. Bonding agents and other materials may be added to increase strength or resistance to moisture, fire, or decay.

Fuel and electricity (cost of): Consumption of purchased fuel and electricity only, at laid-down cost including transportation and handling charges, duties, etc. Applies to large establishments only. Data for non-manufacturing activity included under manufacturing activity except where an ancillary office uses a separate "head office" report. In this latter case, the fuel reported is included under cost of materials for "Total Activity" only.

Gross merchantable volume of wood: Volume of the main stem, excluding stump and top but including defective and decayed wood, of trees or stands of trees.

Gross national product (GNP): A nation's total output of goods and services, expressed either in current dollar value or, by adjusting for inflation, in real terms or by changes in physical volume. The change in the gross national product each year is the growth rate of the economy. In spite of its imperfections - it includes the costs of fighting crime and of reducing pollution as part of the nation's output, but fails to measure such benefits as increased leisure time - the gross national product is the best overall measure of economic performance.

Hardboard: A generic term of a panel manufactured primarily from interfelted lignocellulosic fibers (usually wood), consolidated under heat and pressure in a hot press to a density of 497 kg/m^3 (31 lb/cu ft) or greater.

Hardwoods: Generally one of the botanical groups of trees that have broad leaves and are referred to as deciduous in contrast to the conifers or softwoods. The term has no reference to the actual hardness of the wood.

Immature: In even-aged management, those trees or stands that have grown past the regeneration stage, but are not sufficiently developed to be harvestable (except for thinning operations).

Implicit price index: The most comprehensive of all the indicators available in Canada for measuring price change, because it covers the entire range of goods and services produced and sold in the econmy. It is, therefore, used as a measure of price change taking place in the economy as a whole. Moreover, implicit price indexes are available for each of the main expenditure components of Gross National Product. Therefore, this set of indicators can be used to trace and identify pressure points among the principal areas of demand as they are seen to be associated with inflationary developments in the economy.

Imports: Goods and services that are consumed in one country, Canada, for example, but produced in other countries.

Indirect taxes: Taxes which represent a business cost or whice are incorporated in prices at the retail level are taken here as indirect. They constitute, in effect, taxes on expenditure.

Lumber: The product of saw and planing mills that is not further manufactured beyond sawing, resawing, passing lengthwise through a standard planing machine, crosscutting to length, and matching.

Materials and supplies (cost of): Generally, consumption of purchased items only at laid-down cost including transportation and handling charges, duties, etc. Includes transfers between units of the same company and work done on contract by others. At the manufacturing activity level, this item represents purchased items used in manufacturing operations.

Mature: In even-aged management, those trees or stands that are sufficiently developed to be harvestable (includes overmature trees and stands).

Mechanical wood pulp: The production of fibers and fiber bundles by grinding wood with pulpstones or by mechanical refiners as opposed to chemical methods.

Nonreserved (land): Forest land that by law or policy is available for the harvesting of forest crops.

Overmature: Trees or stands of trees past rotation age. Openings in canopy as a result of mortality becoming apparent.

Paper: Generally, a matted or felted sheet of vegetable fiber, formed on a screen from a water suspension, used for writing and printing as well as for wrapping and many other purposes. Paper is one of two broad subdivisions of the general term, paper, the other is paperboard.

Paperboard: A general term describing sheets made of fibrous material 0.012 in. or more in thickness. Compared with paper, paperboard is heavier per unit area, thicker, and more rigid. Paperboard is the term used to describe any single variety, or group of varieties, of board materials used in the production of boxes, folding cartons, and solid fiber and corrugated shipping containers.

Particleboard: A generic term for a panel manufactured from lignocellulosic materials - commonly wood - essentially in the form of particles (as distinct from fibers). These materials are bonded together with synthetic resin or other suitable binder, under heat and pressure, by a process wherein the interparticle bonds are created wholly by the added binder.

Plywood: A composite panel or board made up of cross-banded layers or plies, bonded with an adhesive, of veneer only, or veneer in combination with a core of lumber, or of particleboard. Generally the grain of one or more plies is roughly at right angles to that of the other plies. An odd number of plies are almost always used.

Production: The use of raw materials to create producer and consumer goods through various refining, processing, and manufacturing activities.

Productive (land): Forest land that is capable of producing a merchantable stand within a reasonable length of time.

Real gross national expenditure: The total level of demand in the economy for goods and services; it shows how the gross national product, the total output of goods and services, is consumed through consumer spending, investment, and government spending.

Regeneration: The renewal of a forest crop by natural or artificial means.

Reserved lands: Forest land that, by law or policy, is not available for the harvesting of forest crops.

Salaries and wages: These are compiled before deductions for income tax and employee-paid portions of both employee benefits and social insurance. They include payments for regular work, overtime, and paid leave as well as bonuses, commissions paid to regular employees, severence pay, etc. Withdrawals of working owners and partners of unincorporated businesses are excluded.

Sash: A frame structure, normally glazed (e.g., a window), that is hung or fixed in a frame set in an opening.

Selling price index: An index that shows changes in the overall inflation rate or the rate of price change for a particular sector of the economy, with the base year equal to 100.

Semichemical pulp: Pulp obtained by mild treatment of wood chips by any of the chemical pulping processes, which remove only part of the lignin from the wood chips, followed by mechanical treatment to complete the separation of individual cellulose fibers.

Shakes: In construction, a type of shingle usually hand split from a bolt and used for roofing or weatherboarding.

Shingles: Thin, rectangular pieces of wood, sawn along the grain and tapering in thickness, used like tiles for roofing and weatherboarding.

Softwood: Generally, one of the botanical groups of trees that, in most cases, have needlelike or scalelike leaves (the conifers); also the wood produced by such trees. The term has no reference to the actual hardness of the wood.

Stocked forest land: Land supporting tree growth including seedlings and saplings.

Subsidies: Direct or indirect payments or other assistance to someone to produce goods or services - in order that the consumer may benefit from lower prices, to protect producers against a decline in the price of their products, to encourage certain types of economic production, or to promote certain types of socially desirable activity.

Sulphate (kraft) pulp: A chemical wood pulp obtained by cooking wood chips at high temperature in a solution of sodium hydroxide and sodium sulfide.

Sulphite pulp: A chemical wood pulp obtained by cooking wood chips in a bisulfite-sulfurous acid solution.

Unevenly aged: Of a forest or stand, in which individual trees differ markedly in age.

Unproductive: Forest land that is incapable of producing a merchantable stand within a reasonable length of time. Includes muskeg, rock, barrens, marshes, meadow, etc., within the forest land area.

Value added, manufacturing activity: Value of shipments of goods of own manufacture plus net change in inventory of goods in process and finished goods, less cost of materials and supplies used, fuel and electricity.

Valued added, total activity: Consists of value added, manufacturing activity and value added, non-manufacturing activity. The latter is calculated by subtracting relevant commodity inputs from non-manufacturing revenue or output; these commodity inputs are net of the change in inventories of goods purchased for resale. Non-manufacturing revenues include depreciable fixed assets produced by own work force for own use, revenue from product rentals, etc., but exclude nonoperating revenue such as real property rentals, dividends, interest.

Value of shipments of goods of own manufacture: Net selling value of goods made by reporting establishment, or for its account, from its own materials. Excludes discounts, returns, allowances, sales tax, excise taxes and duties, returnable containers, common or contract carriers' charges for outward transportation (but not own carriers' delivery expense). Includes repair and custom revenue, transfer to reporting units of same firm, all exports, book value of own products shipped the first time on a rental basis. Includes consignment shipments to other countries, but domestic consignment shipments are included in inventory unit sold.

Veneer: A thin layer or sheet of wood.

Waferboard: A type of particle boardcomposed of wafers cut from roundwood bolts (mostly poplar) of uniform length and thickness resembling small pieces of veneer. The wafers are bonded together with resin binder, under heat and pressure, by a process similar to that by which particleboard is made.

Working owners and partners: Include only those active in unincorporated businesses.